Message

From: Surekha Gangakhedkar [/O=THERANOS ORGANIZATION/OU=FIRST ADMINISTRATIVE GROUP/CN=RECIPIENTS/CN=SUREKHAG]
Sent: 7/17/2013 5:47:36 PM
To: Daniel Young [dyoung@theranos.com]
Subject: Test protocol for Edison devices

Hi Daniel,

The plan is to test the male Health cartridge (multiplex) on both the systems, since it has the 5 out of the 6 assays planned for the validation. Attached are the required documents.

Surekha

From: Daniel Young
Sent: Tuesday, July 16, 2013 9:58 PM
To: Surekha Gangakhedkar
Subject: test protocol for Edison devices

Hi Surekha,

As you know, we are updating the electronics and protocol engine for the Edison 3.0 devices.

Can you please recommend a test assay for running on the Edison devices to validate that the new implementation?

Can you also send the details for this assay, including the cartrdige layout and protocol description.

Thanks,

Daniel Young, PhD
Vice President, Theranos Systems
Theranos, Inc
1601 S. California Ave
Palo Alto, CA 94304
650-470-6119 (office)
650-804-8185 (mobile)

PRIVILEGED AND CONFIDENTIAL COMMUNICATION

IMPORTANT – This electronic transmission, and any files transmitted with it are confidential and/or legally privileged information. This information is intended solely for the use of the individual or entity to which it is addressed. Any disclosure, retransmission, reproduction, dissemination or other use of the contents of this information by persons or entities other than the intended recipient is strictly prohibited. If you have received this email in error, please contact us immediately and delete all copies. Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent those of Theranos, Inc. Finally, before opening or using attachments the recipient should check this email and any attachments for the presence of viruses. Theranos, Inc. accepts no liability for any damage caused by any virus transmitted by this email. Our sole responsibility is limited to resupplying any affected attachments.

Theranos, Inc., 3200 Hillview Avenue, Palo Alto, CA, 94304

650-838-9292 www.theranos.com

SANDWICH IMMUNO ASSAY PROTOCOL GENERATION

1. Purpose

This purpose of this document is to define all steps needed to generate a new protocol and update existing protocols. Protocol requirements, development, test, and release will be discussed here. The standard names used for each of the wells will be defined.

2. Scope

This document will define process of developing a protocol. It does not include creation of an assay and running of chemistry on cartridges.

3. Responsibilities

Various departments will have responsibilities in generating a quality protocols.

1. Chemistry department is responsible for providing complete requirements.
2. Software Development department is responsible for creating the protocol.
3. Software QA is responsible for validating the protocols per requirements
4. Chemistry QC will run the protocol with chemistry and approve the final protocol before releasing it to Chemistry Development.

4. Cartridge Well Definitions

Standard names will be used to describe wells on the cartridge for uniformity across groups. The well names shall be known as combinations of Row and column of the cartridge (e.g. A1, A2, B1, B2, …). The standard naming scheme will be used in all documentation. Below is a diagram of a standard cartridge with name designations for columns and rows.

Theranos Internal Only

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234421

[SHAPE * MERGEFORMAT]

Well	Reagent	Volume
F3	Blocking Buffer	400uL
F4	25OHD CAb	60uL
F5	25OHD-AP	60uL
F7	25OHD Lyophilized Pepsin Tube	
D7	25OHD Neutralization Buffer	200uL
D8	25OHD Extraction Buffer	100uL
B8	HbA1c Extraction Buffer	300uL
A6	tPSA/TSH DAb Mixture 2x	60uL
A7	Ferritin DAb 2x	60uL
A8	HbA1c DAb 10x	60uL
C1-6	Wash Buffer	400uL
A1-5	Substrate	100uL
E7 and E8	Blood Tips (2)	

5. Requesting Protocols

All protocols requests are initiated by filing a Mantis request. The following sequence of events must happen for both new protocols requests and updates to existing protocols.

1. Protocol requester defines all the requirements of the protocols in Mantis Report and assigns the Mantis Report to Software Dev.
2. Software Dev. Writes the protocols and updates the Mantis Report and assigns it to Software QA for validation.
3. Software QA validates the protocols per requirements (non-chemistry only) and assigns the Mantis Report to Chemistry.
4. Chemistry QC validates the protocol using chemistry and releases the protocol.

6. Elisa Sandwich Protocol requirements

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234422

SANDWICH IMMUNO ASSAY PROTOCOL GENERATION

When requesting new protocols or changes to existing protocols the following information will be provided.

New Protocols Requirements:

When requesting new protocols, "Protocol Request Form" needs to be filled completely and attached to a Mantis request (See Appendix A for form). The names of Assays should be no more than 12 digits in length. All field in the Form must be filled out. If a step does not apply to the assay please write N/A.

Change to Existing Protocols:

For changes to XML based protocols, the difference in the existing input to new inputs are documented in a Mantis report. Python based protocols that need to be converted will need to be treated as a new protocol. The form in Appendix A must be filled out to initiate the conversion.

Theranos Internal Only

APPENDIX A – Protocol Request Form

Name of Protocol: Male_Health
Duration of Protocol (Seconds)
Sample Prep Instructions: 1. Pre-wet blood tip in D8 2. Move 48uL of Extraction buffer from D8 to F7 (use overage, full speed). Touch off. 3. Pick up 12uL of sample from F8 (stepwise, no overage) and mix into extraction buffer in F7 (total mix volume 60uL). Touch off. 4. Move 70uL of Neutralization from D7 to F6 (use overage, full speed aspiration and dispense). Touch off. 5. Re-mix diluted sample in F7 two mix cycles (up and down twice). Touch off. 6. Pick up 10uL diluted sample from F7 (stepwise, no overage) and mix with buffer in F6 (total 80uL mix). Touch off.

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234423

7. Pick up 10uL reagent A from F4 (full speed, no overage) and mix in F6 (total 90uL mix). Touch off.
8. Pick up 35uL from B6 and dispense in C6 waste area (rinse tip -full speed, no overage). Touch off.
9. Diluent from F3: Move 32uL to E6, 72uL to D6, 80uL to E1, and 90uL to E2 (full speed, use overage). Touch off.
10. Pick up 8uL of sample from F8 (stepwise, no overage) and mix into diluent in E6 (total volume 40uL). Touch off.
11. Move 24uL of the mixture from E6 to D4 (full speed, use overage). Touch off
12. Move 24uL of DAb from A6 to D4 (full speed, no overage) and mix with diluted sample in D4 (total mix volume 48uL). Touch off.
13. Move 20uL of the mixture from D4 to D3 (full speed, use overage). Touch off.
14. Move 8uL from E6 to D6 (full speed, no overage) and mix into diluent (total 80uL mix volume). Touch off.
15. Move 24uL from D6 to D1 (full speed, use overage). Touch off.
16. Move 24uL of DAb from A7 to D1 (full speed, no overage) and mix into diluent (total 48uL mix volume). Touch off.
17. Pick up 35uL from B6 and dispense in C6 waste area (rinse tip -full speed, no overage). Touch off.
18. Move 72uL from B8 to E4 and 90uL from B8 to E3 (full speed, use overage). Touch off.
19. Pick up 8uL sample from F8 (stepwise, no overage) and mix into buffer in E4 (total mix volume 80uL). Touch off.
20. Move 10uL from E4 to E3 (full speed, no overage) and mix (total volume 100uL). Touch off.
21. Move 10uL from E3 to E2 (full speed, no overage) and mix (total volume 100uL). Touch off.
22. Move 10uL from E2 to E1 (full speed, no overage) and mix 2 cycles only (up and down twice, 90uL total). Touch off.
23. Move 10uL from A8 to E1 (full speed, no overage) and mix (total volume 100uL). Touch off.
24. Move 20uL from E1 to D2 (full speed, use overage). Touch off.
25. Discard Blood Tip 1, pick up Blood Tip 2.
26. Pre-wet in D7.
27. Pick up 10uL reagent B from F5 (full speed, no overage) and mix in F6 (total 100uL mix). Touch off.
28. Move 20uL of the final mixture from F6 to D5 (full speed, use overage).
29. Discard blood tip 2, pick up reaction tips and do prewash and then go straight to conjugate aspiration from D row.

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234424

SANDWICH IMMUNO ASSAY PROTOCOL GENERATION

Number of blood Tips: 1

Tip Dilutions (X):

#1:	#2	#3	#4	#5	#6		
special	special	special	special	special			

Pre-Wash: 1

Special Instructions if any:

Wash Count: 1	Duration (sec) 60

Sample:

Special Instructions If Any:

Incubation (sec): N/A	Wash Count: 0	Duration (sec)

Photos:

Conjugate:

Special Instructions If Any:

Incubation (sec) 120	Wash Count: 6	Duration (sec) 60

Photos:

Substrate:

Special Instructions If Any:

Incubation (sec) 60

Additional Instruction:

Theranos Internal Only

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234425

SANDWICH IMMUNO ASSAY PROTOCOL GENERATION

Theranos Internal Only

Any retransmissions, reproductions, dissemination or other use of these materials by persons or entities other than the intended recipient is

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

THER-4234426

```
<?xml version="1.0" encoding="utf-8"?>
<ProtocolDefinition xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <ProtocolName>Male_Health</ProtocolName>
  <CreatedBy>00000000-0000-0000-0000-000000000000</CreatedBy>
  <Runtime>4000</Runtime>
  <CartridgeDefinitionId>00000000-0000-0000-0000-000000000000</CartridgeDefinitionId>
  <ProtocolCommands>
    <Command xsi:type="PickupTipCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>1</_commandIndex>
      <Id>5296bc8a-02e7-4e0c-b508-714db54c8f83</Id>
      <CommandTypeId>0b6f316d-61a9-4dc1-9f92-9b4e56f6edc3</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
          <_selectedValue>E8</_selectedValue>
          <_validValues>
            <string>F1</string>
            <string>F2</string>
            <string>E7</string>
            <string>E8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>PICKUP_TIP_COMMAND_FROM</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>Blood Tip</_selectedValue>
          <_validValues>
            <string>Blood Tip</string>
            <string>Reagent Tip</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>PICKUP_TIP_COMMAND_TIPTYPE</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="MoveFluidCommand">
      <_repeatIndex>0</_repeatIndex>
```

```
<_commandIndex>2</_commandIndex>
<Id>941eb994-90a3-41e3-a80d-9a812da2a7f0</Id>
<CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Diluent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D8</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
```

```
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>35</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>0</_selectedValue>
      <_validValues />
      <_sopValue>2</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>D8</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
```

```
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>0</_selectedValue>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>false</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>3</_commandIndex>
  <Id>bf727bc0-d5d8-4af4-ab33-e4baa47238a2</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe1</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
```

```
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>true</_selectedValue>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>4</_commandIndex>
    <Id>a3a0bf8e-6379-4aec-9383-2e0cf51ef1b5</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>D8</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
```

```
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>48</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
```

```
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
```

```
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>5</_commandIndex>
    <Id>fa433366-e731-4b57-9385-603bf2d457b6</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
```

```
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe1</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>6</_commandIndex>
    <Id>a27836ab-8300-496c-b2dd-096337485275</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
```

```
<CommandVariable>
  <_selectedValue>Sample</_selectedValue>
  <_validValues>
    <string>Diluent</string>
    <string>Sample</string>
    <string>Reagent</string>
    <string>MixedSample</string>
    <string>Other</string>
  </_validValues>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
  <VariableType>SingleSelection</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_selectedValue>F8</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
```

```
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>12</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
```

```
            <string>E5</string>
            <string>E6</string>
            <string>D1</string>
            <string>D2</string>
            <string>D3</string>
            <string>D4</string>
            <string>D5</string>
            <string>D6</string>
            <string>D7</string>
            <string>D8</string>
            <string>B1</string>
            <string>B2</string>
            <string>B3</string>
            <string>B4</string>
            <string>B5</string>
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>1</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="MixCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>7</_commandIndex>
<Id>6d80ec6b-7080-40b2-93fc-fb62b673b027</Id>
<CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>F7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MIX_COMMAND_WELL</VariableId>
```

```
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>15</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_COUNT</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_VOLUME</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue>14</MinSOPValue>
        <MaxSOPValue>150</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>8</_commandIndex>
    <Id>95126e5c-4cb9-449d-8be5-faf4d4dec133</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
```

```
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe1</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>9</_commandIndex>
    <Id>1f615ba7-f90a-4817-9c3b-696c0fcc6321</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
```

```
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Diluent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
```

```
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>70</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
```

```
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>0</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
```

```
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>10</_commandIndex>
  <Id>7dccad38-e869-4a57-8f96-fd7278c16f9b</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe1</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
```

```
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>11</_commandIndex>
    <Id>6a3a6f45-d8b6-496b-acd2-b4f89af21bad</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>F7</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
```

```
            <string>B3</string>
            <string>B4</string>
            <string>B5</string>
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_WELL</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>2</_selectedValue>
          <_validValues />
          <_sopValue>15</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_COUNT</VariableId>
          <VariableType>Int</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>60</_selectedValue>
          <_validValues />
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_VOLUME</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue>14</MinSOPValue>
          <MaxSOPValue>150</MaxSOPValue>
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="TouchOffCommand">
      <_repeatIndex>0</_repeatIndex>
```

```
<_commandIndex>12</_commandIndex>
<Id>7398031d-c219-4203-93cc-9acbd9165374</Id>
<CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>E8</_selectedValue>
    <_validValues>
      <string>E8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>safe_touchoff_blood</_selectedValue>
    <_validValues>
      <string>safe_touchoff_blood</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>bwipe1</_selectedValue>
    <_validValues>
      <string>bwipe1</string>
      <string>bwipe2</string>
      <string>bwipe3</string>
      <string>bwipe4</string>
      <string>bwipe5</string>
      <string>bwipe6</string>
      <string>bwipe7</string>
      <string>bwipe8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>13</_commandIndex>
    <Id>91ec3507-2e7f-46a5-a9fe-3673cdffc895</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Sample</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>F7</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
```

```
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
```

```
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
```

```
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>14</_commandIndex>
    <Id>e8055af8-eff7-4bbc-acc1-f4108a366b78</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>F6</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
```

```
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>2</_selectedValue>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>80</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
```

```
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>15</_commandIndex>
  <Id>e85c991a-983f-47fc-a6ca-8b22b4537db6</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe2</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
```

```
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>16</_commandIndex>
    <Id>6d340f2a-a3ca-48dd-b078-0c2486ffed02</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>F4</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
```

```
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
<CommandVariable>
  <_validValues />
  <_sopValue>0</_sopValue>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
  <VariableType>Double</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_selectedValue>F6</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
    <string>A2</string>
    <string>A3</string>
    <string>A4</string>
    <string>A5</string>
    <string>A6</string>
    <string>A7</string>
```

```
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>17</_commandIndex>
    <Id>8e2c2766-a304-49f9-8844-31d77f072ec2</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>F6</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
```

```
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>90</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
```

```
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>18</_commandIndex>
    <Id>b7d0248a-9b37-4f84-b058-4d66516eea7a</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe3</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
```

```
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>19</_commandIndex>
    <Id>d91d6495-b9c6-4d54-abb2-ddb3ed923e08</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B6</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
```

```
            <string>B1</string>
            <string>B2</string>
            <string>B3</string>
            <string>B4</string>
            <string>B5</string>
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>0</_selectedValue>
          <_validValues />
          <_isEditable>true</_isEditable>
          <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>35</_selectedValue>
          <_validValues />
          <_isEditable>true</_isEditable>
          <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue>35</MaxSOPValue>
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="DispenseCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>20</_commandIndex>
<Id>0ef5d0aa-ef8d-46da-9eaf-32af7138f538</Id>
<CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Reagent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>C6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
```

```
        <string>C2</string>
        <string>C3</string>
        <string>C4</string>
        <string>C5</string>
        <string>C6</string>
        <string>C7</string>
        <string>C8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>DISPENSE_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>0</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>35</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
```

```
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>21</_commandIndex>
    <Id>e9cab59d-423e-4649-9986-344f4aca69a3</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe4</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>22</_commandIndex>
    <Id>b6899f5f-21ee-4a31-937c-ceccbae2aa55</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
```

```
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F3</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
```

```
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>32</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
```

```
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>23</_commandIndex>
    <Id>5f17e3f4-da82-40ec-a7c1-dad3b8ad8a2d</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
```

```
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F3</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
```

```
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>72</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
```

```
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>24</_commandIndex>
```

```
<Id>1094b774-3be6-453e-9ce2-5487eaeb7e5f</Id>
<CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Diluent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F3</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
```

```
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>80</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
```

```
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>25</_commandIndex>
    <Id>70dd405e-4a3c-4c96-81cc-a80c136e1c4f</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>F3</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
```

```
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>90</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>2</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>E2</_selectedValue>
      <_validValues>
```

```
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
```

```
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>26</_commandIndex>
    <Id>17b30382-24db-457b-a16e-b4311897fcf9</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe4</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
```

```
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>27</_commandIndex>
    <Id>eb5c8d49-97b4-4452-84af-fde712617f28</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Sample</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
```

```
    <_selectedValue>F8</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>8</_selectedValue>
```

```
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
```

```
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>28</_commandIndex>
    <Id>d59f17dd-2760-4bc1-8819-ee24b4f0c585</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E6</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
```

```
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>40</_selectedValue>
```

```
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>29</_commandIndex>
  <Id>019035ef-0725-4f42-b393-be58941a27f3</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe4</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
```

```
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>30</_commandIndex>
    <Id>034ccf07-9574-4311-acb2-25ca8d1934b5</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
```

```
</CommandVariable>
<CommandVariable>
  <_selectedValue>E6</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
    <string>A2</string>
    <string>A3</string>
    <string>A4</string>
    <string>A5</string>
    <string>A6</string>
    <string>A7</string>
    <string>A8</string>
  </_validValues>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
  <VariableType>SingleSelection</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
```

```
<CommandVariable>
  <_selectedValue>24</_selectedValue>
  <_validValues />
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
  <VariableType>Double</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_validValues />
  <_sopValue>2</_sopValue>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
  <VariableType>Double</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_selectedValue>D4</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
```

```
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>0</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="TouchOffCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>31</_commandIndex>
      <Id>74c6bca2-bf88-4fc3-b44f-293fce9c9140</Id>
      <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
          <_selectedValue>E8</_selectedValue>
          <_validValues>
            <string>E8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe4</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>true</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
      <VariableType>Boolean</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="MoveFluidCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>32</_commandIndex>
<Id>ee368e88-89ec-449f-ad4c-472e7909bf05</Id>
<CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Reagent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>A6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
```

```
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>24</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D4</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
```

```
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
```

```
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>33</_commandIndex>
    <Id>c508eb71-8eb5-4c1a-8808-379356bdaae3</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>D4</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
```

```
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_WELL</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>15</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_COUNT</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>48</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_VOLUME</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue>14</MinSOPValue>
        <MaxSOPValue>150</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>34</_commandIndex>
    <Id>00095fcb-4a20-48b2-b6cf-5f2f02468afe</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
```

```
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe4</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>true</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
      <VariableType>Boolean</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
```

```
</Command>
<Command xsi:type="MoveFluidCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>35</_commandIndex>
  <Id>be519d13-a448-4ffa-af14-589f9eac5786</Id>
  <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>MixedSample</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>D4</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
```

```
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>20</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D3</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
```

```
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>1</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
    <VariableType>Double</VariableType>
```

```
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>36</_commandIndex>
  <Id>16bf4270-eff5-4c76-b8ac-493c6e18ae86</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe4</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
```

```
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>37</_commandIndex>
    <Id>b0eded7e-4ef3-47cb-9e11-ceb51e2833d4</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>E6</_selectedValue>
        <_validValues>
```

```
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>8</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
```

```
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
```

```
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>0</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="MixCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>38</_commandIndex>
      <Id>5f8c6292-6459-4b64-a655-798f76ff347d</Id>
      <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
          <_selectedValue>D6</_selectedValue>
          <_validValues>
            <string>F3</string>
            <string>F4</string>
            <string>F5</string>
            <string>F6</string>
            <string>F7</string>
            <string>F8</string>
            <string>E1</string>
            <string>E2</string>
            <string>E3</string>
            <string>E4</string>
```

```
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>80</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
```

```
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>39</_commandIndex>
  <Id>3f299b5b-5924-4489-b486-a593aa353425</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>E8</_selectedValue>
      <_validValues>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe5</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
```

```
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>40</_commandIndex>
    <Id>b9eb2a01-393a-412f-b5b0-27d2384d99e3</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
```

```
    <_selectedValue>D6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>24</_selectedValue>
```

```
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
```

```
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>41</_commandIndex>
    <Id>f751b689-f344-434a-8b09-4ee924b5a1f7</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe5</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>42</_commandIndex>
```

```
<Id>860bd26b-e716-4566-8bb0-742bbd8d885c</Id>
<CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Reagent</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>A7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
```

```
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>24</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
```

```
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>43</_commandIndex>
    <Id>1462705d-db92-4ad9-a118-61ecb042ffec</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>D1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
```

```
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_WELL</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>15</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_COUNT</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>48</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>MIX_COMMAND_VOLUME</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue>14</MinSOPValue>
        <MaxSOPValue>150</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>44</_commandIndex>
    <Id>d68148de-7580-4adb-9daf-3ffb43bfec1d</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E8</_selectedValue>
        <_validValues>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe5</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>true</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
      <VariableType>Boolean</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="AspirateCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>45</_commandIndex>
<Id>83b99789-c58f-4f43-9745-809381b83830</Id>
<CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>B6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
```

```
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>0</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>35</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue>35</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>46</_commandIndex>
    <Id>3b1553a0-ae35-4a93-8fb0-f237bd0b6139</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
```

```
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>C6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
```

```
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>0</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>35</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>47</_commandIndex>
<Id>bc07e5f6-870c-4d89-9755-f284c7eeb7cf</Id>
<CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>C8</_selectedValue>
    <_validValues>
      <string>C8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>safe_touchoff_blood</_selectedValue>
    <_validValues>
      <string>safe_touchoff_blood</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>bwipe6</_selectedValue>
    <_validValues>
      <string>bwipe1</string>
      <string>bwipe2</string>
      <string>bwipe3</string>
      <string>bwipe4</string>
      <string>bwipe5</string>
      <string>bwipe6</string>
      <string>bwipe7</string>
      <string>bwipe8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>48</_commandIndex>
    <Id>1ce38f9a-fbf2-4745-8897-d208aefa8349</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>B8</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
```

```
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>72</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
```

```
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E4</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
```

```
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>49</_commandIndex>
    <Id>f8220890-dab1-4ab3-9051-02365241d710</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>B8</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
```

```
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>90</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
```

```
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E3</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
```

```
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>50</_commandIndex>
    <Id>0a735f48-eb35-4ab4-82f5-39a97b8a7f04</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C8</_selectedValue>
        <_validValues>
          <string>C8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
```

```
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe6</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>51</_commandIndex>
    <Id>271d1f4e-e44e-42c7-a6d1-f24ab4903a90</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
```

```
<CommandVariable>
  <_selectedValue>Sample</_selectedValue>
  <_validValues>
    <string>Diluent</string>
    <string>Sample</string>
    <string>Reagent</string>
    <string>MixedSample</string>
    <string>Other</string>
  </_validValues>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
  <VariableType>SingleSelection</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_selectedValue>F8</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
```

```
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>8</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>F8</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
```

```
            <string>E5</string>
            <string>E6</string>
            <string>D1</string>
            <string>D2</string>
            <string>D3</string>
            <string>D4</string>
            <string>D5</string>
            <string>D6</string>
            <string>D7</string>
            <string>D8</string>
            <string>B1</string>
            <string>B2</string>
            <string>B3</string>
            <string>B4</string>
            <string>B5</string>
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>1</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="TouchOffCommand">
```

```
<_repeatIndex>0</_repeatIndex>
<_commandIndex>52</_commandIndex>
<Id>9907e373-5970-43a6-88c3-1e629fa26557</Id>
<CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
<UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
<CommandVariables>
  <CommandVariable>
    <_selectedValue>C8</_selectedValue>
    <_validValues>
      <string>C8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>safe_touchoff_blood</_selectedValue>
    <_validValues>
      <string>safe_touchoff_blood</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>bwipe6</_selectedValue>
    <_validValues>
      <string>bwipe1</string>
      <string>bwipe2</string>
      <string>bwipe3</string>
      <string>bwipe4</string>
      <string>bwipe5</string>
      <string>bwipe6</string>
      <string>bwipe7</string>
      <string>bwipe8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>53</_commandIndex>
    <Id>ccb600f8-37bc-461b-975f-e85582a441e2</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Sample</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>F8</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
```

```
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>8</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
```

```
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E4</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
```

```
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>54</_commandIndex>
    <Id>fe69fa51-1aac-439c-acc1-f7fee7b2a3b0</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E4</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
```

```
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>80</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
```

```
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>55</_commandIndex>
  <Id>fcfe8fed-2535-4152-b725-f8d3179d7e22</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>C8</_selectedValue>
      <_validValues>
        <string>C8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe6</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
```

```
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>56</_commandIndex>
    <Id>7868d7d6-8abf-4a9d-9db5-8c52cd4e88f9</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>E4</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
```

```
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
<CommandVariable>
  <_validValues />
  <_sopValue>0</_sopValue>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
  <VariableType>Double</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
<CommandVariable>
  <_selectedValue>E3</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
    <string>A2</string>
    <string>A3</string>
    <string>A4</string>
    <string>A5</string>
    <string>A6</string>
    <string>A7</string>
```

```
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>57</_commandIndex>
    <Id>3ba3de92-d2d2-48a2-a15a-dd0f518264a7</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E3</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
```

```
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>100</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
```

```
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>58</_commandIndex>
    <Id>d3d05bb5-0da6-4b33-be37-1175845ced37</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C8</_selectedValue>
        <_validValues>
          <string>C8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_blood</_selectedValue>
        <_validValues>
          <string>safe_touchoff_blood</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>bwipe6</_selectedValue>
        <_validValues>
          <string>bwipe1</string>
          <string>bwipe2</string>
          <string>bwipe3</string>
          <string>bwipe4</string>
          <string>bwipe5</string>
          <string>bwipe6</string>
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
```

```
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>59</_commandIndex>
    <Id>050e516d-c2ea-49a7-b3c1-6403bbccaa98</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>E3</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
```

```
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
```

```
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E2</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
```

```
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>0</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="MixCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>60</_commandIndex>
      <Id>50e09ab5-99e0-4e27-91e3-3e73d73d4edf</Id>
      <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
          <_selectedValue>E2</_selectedValue>
          <_validValues>
            <string>F3</string>
            <string>F4</string>
            <string>F5</string>
            <string>F6</string>
            <string>F7</string>
            <string>F8</string>
            <string>E1</string>
            <string>E2</string>
            <string>E3</string>
            <string>E4</string>
            <string>E5</string>
            <string>E6</string>
            <string>D1</string>
            <string>D2</string>
```

```
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>100</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
```

```
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>61</_commandIndex>
  <Id>d7e14504-d1da-4647-80ff-fe577024ea98</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>C8</_selectedValue>
      <_validValues>
        <string>C8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe7</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
        <string>bwipe7</string>
        <string>bwipe8</string>
      </_validValues>
```

```
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>62</_commandIndex>
    <Id>75b3e65b-3462-4801-99f3-4d918062bb54</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>E2</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
```

```
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
```

```
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
```

```
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>63</_commandIndex>
    <Id>98933247-3585-4fc4-84a0-cae4796b4e12</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
```

```
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_WELL</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>2</_selectedValue>
      <_validValues />
      <_sopValue>15</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_COUNT</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>90</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
```

```
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>64</_commandIndex>
  <Id>ba8dbaf8-7722-49b0-91f3-cc893317f2b7</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>C8</_selectedValue>
      <_validValues>
        <string>C8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_blood</_selectedValue>
      <_validValues>
        <string>safe_touchoff_blood</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>bwipe7</_selectedValue>
      <_validValues>
        <string>bwipe1</string>
        <string>bwipe2</string>
        <string>bwipe3</string>
        <string>bwipe4</string>
        <string>bwipe5</string>
        <string>bwipe6</string>
```

```
          <string>bwipe7</string>
          <string>bwipe8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>Boolean</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>65</_commandIndex>
    <Id>9326536e-a234-49c6-ac80-dd9c1b05bf53</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Reagent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>A8</_selectedValue>
```

```
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
```

```
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>E1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
```

```
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>66</_commandIndex>
    <Id>b52c5302-1b75-4d3d-9e25-38d435b9beea</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
```

```
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MIX_COMMAND_WELL</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>15</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MIX_COMMAND_COUNT</VariableId>
    <VariableType>Int</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>100</_selectedValue>
    <_validValues />
```

```
      <_isEditable>true</_isEditable>
      <VariableId>MIX_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue>14</MinSOPValue>
      <MaxSOPValue>150</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="MoveFluidCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>67</_commandIndex>
  <Id>7220e939-95a8-4d9d-a732-670e2e2f43d4</Id>
  <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>MixedSample</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>E1</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
```

```
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>20</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
```

```
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D2</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="DisposeTipCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>68</_commandIndex>
  <Id>5fb9807c-d43e-4c9b-b75f-3e356dd6e9d6</Id>
  <CommandTypeId>b0020316-3868-47a1-8499-5ea9d7fa7a24</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>F1</_selectedValue>
      <_validValues>
        <string>F1</string>
        <string>F2</string>
        <string>E7</string>
        <string>E8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>DISPOSE_TIP_COMMAND_TO</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="PickupTipCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>69</_commandIndex>
  <Id>5caed459-15b5-4271-ad1d-3c4b406a0f95</Id>
  <CommandTypeId>0b6f316d-61a9-4dc1-9f92-9b4e56f6edc3</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
```

```
      <CommandVariable>
        <_selectedValue>E7</_selectedValue>
        <_validValues>
          <string>F1</string>
          <string>F2</string>
          <string>E7</string>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_FROM</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>Blood Tip</_selectedValue>
        <_validValues>
          <string>Blood Tip</string>
          <string>Reagent Tip</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_TIPTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MoveFluidCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>70</_commandIndex>
    <Id>1ad57689-f2cd-41be-80f4-742d55734d4c</Id>
    <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Diluent</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
```

```
    <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
```

```
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>35</_selectedValue>
    <_validValues />
    <_isEditable>false</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>0</_selectedValue>
    <_validValues />
    <_sopValue>2</_sopValue>
    <_isEditable>false</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>D7</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
```

```
            <string>D8</string>
            <string>B1</string>
            <string>B2</string>
            <string>B3</string>
            <string>B4</string>
            <string>B5</string>
            <string>B6</string>
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>0</_selectedValue>
          <_validValues />
          <_sopValue>0</_sopValue>
          <_isEditable>false</_isEditable>
          <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="TouchOffCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>71</_commandIndex>
      <Id>154ec96b-acdd-4807-b3c1-64acc8a62a18</Id>
      <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
          <_selectedValue>E8</_selectedValue>
```

```
    <_validValues />
    <_isEditable>false</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>safe_touchoff_blood</_selectedValue>
    <_validValues>
      <string>safe_touchoff_blood</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>bwipe1</_selectedValue>
    <_validValues>
      <string>bwipe1</string>
      <string>bwipe2</string>
      <string>bwipe3</string>
      <string>bwipe4</string>
      <string>bwipe5</string>
      <string>bwipe6</string>
      <string>bwipe7</string>
      <string>bwipe8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>true</_selectedValue>
    <_validValues />
    <_sopValue>true</_sopValue>
    <_isEditable>false</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
```

```
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="MoveFluidCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>72</_commandIndex>
  <Id>dc8ec24b-aab8-443e-bd52-f5d0ff983dc2</Id>
  <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>Reagent</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>F5</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
```

```
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>10</_selectedValue>
    <_validValues />
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>0</_sopValue>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
    <VariableType>Double</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
```

```
    <_selectedValue>F6</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
```

```
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="MixCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>73</_commandIndex>
    <Id>c5d8568d-de69-4157-b97c-358bd517ddf0</Id>
    <CommandTypeId>3f0bb232-02e0-405d-854c-11542d534872</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>F6</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
```

```
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_WELL</VariableId>
          <VariableType>SingleSelection</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_validValues />
          <_sopValue>15</_sopValue>
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_COUNT</VariableId>
          <VariableType>Int</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>100</_selectedValue>
          <_validValues />
          <_isEditable>true</_isEditable>
          <VariableId>MIX_COMMAND_VOLUME</VariableId>
          <VariableType>Double</VariableType>
          <MinSOPValue>14</MinSOPValue>
          <MaxSOPValue>150</MaxSOPValue>
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="TouchOffCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>74</_commandIndex>
      <Id>7f0efe87-cbee-4be7-8498-ace5f7716ebd</Id>
      <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
        <CommandVariable>
```

```
    <_selectedValue>C8</_selectedValue>
    <_validValues>
      <string>C8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>safe_touchoff_blood</_selectedValue>
    <_validValues>
      <string>safe_touchoff_blood</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>bwipe8</_selectedValue>
    <_validValues>
      <string>bwipe1</string>
      <string>bwipe2</string>
      <string>bwipe3</string>
      <string>bwipe4</string>
      <string>bwipe5</string>
      <string>bwipe6</string>
      <string>bwipe7</string>
      <string>bwipe8</string>
    </_validValues>
    <_isEditable>true</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
    <VariableType>SingleSelection</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_validValues />
    <_sopValue>true</_sopValue>
    <_isEditable>false</_isEditable>
    <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
    <VariableType>Boolean</VariableType>
```

```
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="MoveFluidCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>75</_commandIndex>
  <Id>7c1f40c9-7d8b-4ae7-a349-1bd34c2c2167</Id>
  <CommandTypeId>e6dd0be2-a6f6-4e9b-a488-9f5375d63e94</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>Diluent</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FLUIDTYPE</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>F6</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
```

```
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_FROM</VariableId>
      <VariableType>SingleSelection</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>20</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_validValues />
      <_sopValue>2</_sopValue>
      <_isEditable>true</_isEditable>
      <VariableId>MOVE_FLUID_COMMAND_OVERAGE_VOLUME</VariableId>
      <VariableType>Double</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
```

```
</CommandVariable>
<CommandVariable>
  <_selectedValue>D5</_selectedValue>
  <_validValues>
    <string>F3</string>
    <string>F4</string>
    <string>F5</string>
    <string>F6</string>
    <string>F7</string>
    <string>F8</string>
    <string>E1</string>
    <string>E2</string>
    <string>E3</string>
    <string>E4</string>
    <string>E5</string>
    <string>E6</string>
    <string>D1</string>
    <string>D2</string>
    <string>D3</string>
    <string>D4</string>
    <string>D5</string>
    <string>D6</string>
    <string>D7</string>
    <string>D8</string>
    <string>B1</string>
    <string>B2</string>
    <string>B3</string>
    <string>B4</string>
    <string>B5</string>
    <string>B6</string>
    <string>B7</string>
    <string>B8</string>
    <string>A1</string>
    <string>A2</string>
    <string>A3</string>
    <string>A4</string>
    <string>A5</string>
    <string>A6</string>
    <string>A7</string>
    <string>A8</string>
  </_validValues>
  <_isEditable>true</_isEditable>
  <VariableId>MOVE_FLUID_COMMAND_TO</VariableId>
  <VariableType>SingleSelection</VariableType>
  <MinSOPValue xsi:nil="true" />
  <MaxSOPValue xsi:nil="true" />
  <IsRequired>true</IsRequired>
</CommandVariable>
```

```
      <CommandVariable>
        <_validValues />
        <_sopValue>0</_sopValue>
        <_isEditable>true</_isEditable>
        <VariableId>MOVE_FLUID_COMMAND_INCREMENT</VariableId>
        <VariableType>Double</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DisposeTipCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>76</_commandIndex>
    <Id>a3191126-e7c1-4575-b243-decc62331b74</Id>
    <CommandTypeId>b0020316-3868-47a1-8499-5ea9d7fa7a24</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>F2</_selectedValue>
        <_validValues>
          <string>F1</string>
          <string>F2</string>
          <string>E7</string>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPOSE_TIP_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="PickupTipCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>77</_commandIndex>
    <Id>fe62bc1a-8d6a-48ae-8f3b-5ee98e9425b0</Id>
    <CommandTypeId>0b6f316d-61a9-4dc1-9f92-9b4e56f6edc3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
```

```
          <string>C1</string>
          <string>C2</string>
          <string>C3</string>
          <string>C4</string>
          <string>C5</string>
          <string>C6</string>
          <string>C7</string>
          <string>C8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_FROM</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>Reagent Tip</_selectedValue>
        <_validValues>
          <string>Blood Tip</string>
          <string>Reagent Tip</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_TIPTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>78</_commandIndex>
    <Id>46f52985-f6f6-41e2-a44e-0df38104b77e</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Begin - Prewet Reaction Tips</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
        <VariableType>LargeString</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
```

```
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>79</_commandIndex>
    <Id>9c52f6ce-aa30-4ea6-a1ba-0a3233b47428</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
          <string>A5</string>
          <string>A6</string>
```

```
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>1</_selectedValue>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue>19</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="WaitCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>80</_commandIndex>
    <Id>1de993bc-dd1e-4bc9-99dc-d12512a66929</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="DispenseCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>81</_commandIndex>
  <Id>1fe79f00-37cd-489a-9544-33ddab180c85</Id>
  <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>Other</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>C1</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>E7</string>
        <string>E8</string>
        <string>D1</string>
        <string>D2</string>
```

```
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>C1</string>
        <string>C2</string>
        <string>C3</string>
        <string>C4</string>
        <string>C5</string>
        <string>C6</string>
        <string>C7</string>
        <string>C8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>82</_commandIndex>
    <Id>39c23cd2-e4b4-496a-9397-cd0b46a1337d</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_reagent</_selectedValue>
        <_validValues>
          <string>safe_touchoff_reagent</string>
        </_validValues>
```

```
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>retouch_a</_selectedValue>
        <_validValues>
          <string>retouch_a</string>
          <string>retouch_b</string>
          <string>retouch_c</string>
          <string>retouch_d</string>
          <string>retouch_e</string>
          <string>retouch_f</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>true</_selectedValue>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>83</_commandIndex>
    <Id>dae69b0a-81df-42ad-a086-1d689318a1fb</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>End - Prewet Reaction Tips</_selectedValue>
        <_validValues />
```

```
      <_isEditable>false</_isEditable>
      <VariableId>COMMENT_STRING</VariableId>
      <VariableType>LargeString</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>false</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="CommentCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>84</_commandIndex>
  <Id>150f0a00-914d-4b96-9745-cdda29213948</Id>
  <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>Begin - Conjugate Incubation</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>COMMENT_STRING</VariableId>
      <VariableType>LargeString</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>false</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="AspirateCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>85</_commandIndex>
  <Id>31f63767-12f5-4b52-ae68-f8a90cdcdc7b</Id>
  <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>D1</_selectedValue>
      <_validValues>
        <string>F3</string>
        <string>F4</string>
        <string>F5</string>
        <string>F6</string>
        <string>F7</string>
        <string>F8</string>
        <string>E1</string>
        <string>E2</string>
```

```
        <string>E3</string>
        <string>E4</string>
        <string>E5</string>
        <string>E6</string>
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
```

```
      <_selectedValue>12</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue>19</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="AspirateAirCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>86</_commandIndex>
  <Id>6811806f-c4d7-46bc-bb40-ef8948353fd8</Id>
  <CommandTypeId>9bb8e446-3968-48d9-a1a7-ac7a5156bff0</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_AIR_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>4</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_AIR_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="WaitCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>87</_commandIndex>
  <Id>98038df2-1dd2-418f-97d4-ead94ccbfe42</Id>
  <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
```

```
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>120</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>88</_commandIndex>
    <Id>0916ea2e-ff6b-4c28-a014-911f604cfc32</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Other</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
```

```
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
```

```
        <_selectedValue>1</_selectedValue>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>16</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>89</_commandIndex>
    <Id>7178d205-0a36-4ba2-abd5-101a4622ffe7</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
```

```
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_reagent</_selectedValue>
        <_validValues>
          <string>safe_touchoff_reagent</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>retouch_a</_selectedValue>
        <_validValues>
          <string>retouch_a</string>
          <string>retouch_b</string>
          <string>retouch_c</string>
          <string>retouch_d</string>
          <string>retouch_e</string>
          <string>retouch_f</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>true</_selectedValue>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
```

```
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>90</_commandIndex>
    <Id>eaaf4b69-a094-49ef-9dd2-668743023cb7</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>End - Conjugate Incubation</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
        <VariableType>LargeString</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>91</_commandIndex>
    <Id>cf4ea192-064e-4664-92c6-8f74f4b16f84</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Begin - Post Conjugate Wash</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
        <VariableType>LargeString</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="RepeatStartCommand">
    <_repeatIndex>1</_repeatIndex>
    <_commandIndex>92</_commandIndex>
    <Id>876e2569-4e77-4dd0-b70c-d1dabd4c5e9f</Id>
    <CommandTypeId>479db3a7-3a43-47f2-89c7-d6efd551d103</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>2</_selectedValue>
```

```
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>REPEAT_COMMAND_COUNT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>1</_repeatIndex>
    <_commandIndex>93</_commandIndex>
    <Id>537d5b84-7ddf-41f9-a6de-6811ed5a1834</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
```

```
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>1</_selectedValue>
          <_validValues />
          <_sopValue>1</_sopValue>
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>19</_selectedValue>
          <_validValues />
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue>19</MaxSOPValue>
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="WaitCommand">
      <_repeatIndex>1</_repeatIndex>
      <_commandIndex>94</_commandIndex>
      <Id>6de56979-f0ee-4d76-a461-3493a8c65bfa</Id>
      <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
      <CommandVariables>
```

```
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>1</_repeatIndex>
    <_commandIndex>95</_commandIndex>
    <Id>3c47f194-e7f5-422c-aa2f-1b4e79b220d1</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Other</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
```

```
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>1</_selectedValue>
    <_validValues />
```

```
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>1</_repeatIndex>
    <_commandIndex>96</_commandIndex>
    <Id>c0d3f3da-ef4e-48e3-b457-ddd771615932</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
```

```
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_reagent</_selectedValue>
      <_validValues>
        <string>safe_touchoff_reagent</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>retouch_b</_selectedValue>
      <_validValues>
        <string>retouch_a</string>
        <string>retouch_b</string>
        <string>retouch_c</string>
        <string>retouch_d</string>
        <string>retouch_e</string>
        <string>retouch_f</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>true</_selectedValue>
      <_validValues />
      <_sopValue>true</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="RepeatEndCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>97</_commandIndex>
```

```
    <Id>ac1b22e3-d22f-4264-9091-e74c6a70a744</Id>
    <CommandTypeId>4725f6d0-446f-4fd3-84a2-310737a6c2fe</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables />
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>98</_commandIndex>
    <Id>005016e9-6b02-4b70-9a49-fa5bd590a922</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
          <string>B7</string>
          <string>B8</string>
          <string>A1</string>
          <string>A2</string>
          <string>A3</string>
          <string>A4</string>
```

```
          <string>A5</string>
          <string>A6</string>
          <string>A7</string>
          <string>A8</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>1</_selectedValue>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue>19</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="WaitCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>99</_commandIndex>
    <Id>9c85186b-2295-43da-8d3a-1dd6d6745c91</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
```

```
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>100</_commandIndex>
    <Id>3cedafaa-5e86-46b9-a10c-5a42d74a46fe</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Other</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>E7</string>
          <string>E8</string>
```

```
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>1</_selectedValue>
    <_validValues />
    <_sopValue>1</_sopValue>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
```

```
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>101</_commandIndex>
    <Id>471a3ff6-d309-43ba-96d6-b56ae721cf6c</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_reagent</_selectedValue>
        <_validValues>
```

```
          <string>safe_touchoff_reagent</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>retouch_c</_selectedValue>
        <_validValues>
          <string>retouch_a</string>
          <string>retouch_b</string>
          <string>retouch_c</string>
          <string>retouch_d</string>
          <string>retouch_e</string>
          <string>retouch_f</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>true</_selectedValue>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>102</_commandIndex>
    <Id>ea371bf1-b216-42cb-912c-37fcbe6758b0</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
```

```
    <_selectedValue>B1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>1</_selectedValue>
```

```
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>19</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue>19</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="WaitCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>103</_commandIndex>
  <Id>a3775e3f-ce9a-46de-ada0-49718a020a07</Id>
  <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>60</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="DispenseCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>104</_commandIndex>
  <Id>462a8297-cc09-4194-8e29-14f486d1d173</Id>
  <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
```

```
<CommandVariables>
  <CommandVariable>
    <_selectedValue>Other</_selectedValue>
    <_validValues>
      <string>Diluent</string>
      <string>Sample</string>
      <string>Reagent</string>
      <string>MixedSample</string>
      <string>Other</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>C1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
```

```
        <string>C7</string>
        <string>C8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>19</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
```

```
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>105</_commandIndex>
    <Id>70ada484-7d4a-4ba3-b673-00d8434106b0</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>safe_touchoff_reagent</_selectedValue>
        <_validValues>
          <string>safe_touchoff_reagent</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>retouch_d</_selectedValue>
        <_validValues>
          <string>retouch_a</string>
          <string>retouch_b</string>
```

```
          <string>retouch_c</string>
          <string>retouch_d</string>
          <string>retouch_e</string>
          <string>retouch_f</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>true</_selectedValue>
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>106</_commandIndex>
    <Id>0ffb685f-9b98-4c55-a9d7-3a49630891b9</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
```

```
        <string>D1</string>
        <string>D2</string>
        <string>D3</string>
        <string>D4</string>
        <string>D5</string>
        <string>D6</string>
        <string>D7</string>
        <string>D8</string>
        <string>B1</string>
        <string>B2</string>
        <string>B3</string>
        <string>B4</string>
        <string>B5</string>
        <string>B6</string>
        <string>B7</string>
        <string>B8</string>
        <string>A1</string>
        <string>A2</string>
        <string>A3</string>
        <string>A4</string>
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>19</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
```

```
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue>19</MaxSOPValue>
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="WaitCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>107</_commandIndex>
  <Id>da9129cf-c4dc-419f-968d-08544860765f</Id>
  <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>60</_selectedValue>
      <_validValues />
      <_isEditable>true</_isEditable>
      <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
      <VariableType>Int</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="DispenseCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>108</_commandIndex>
  <Id>063b2327-a64f-47ad-acd5-cd6595ed3107</Id>
  <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>Other</_selectedValue>
      <_validValues>
        <string>Diluent</string>
        <string>Sample</string>
        <string>Reagent</string>
        <string>MixedSample</string>
        <string>Other</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
```

```
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>C1</_selectedValue>
    <_validValues>
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
```

```
        <string>A5</string>
        <string>A6</string>
        <string>A7</string>
        <string>A8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>1</_selectedValue>
      <_validValues />
      <_sopValue>1</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>19</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>zwaste1</_selectedValue>
      <_validValues>
        <string>zwaste1</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
```

```
<Command xsi:type="TouchOffCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>109</_commandIndex>
  <Id>c57df0fa-307b-4c00-a2c7-1bcfe3af6344</Id>
  <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>C1</_selectedValue>
      <_validValues />
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_reagent</_selectedValue>
      <_validValues>
        <string>safe_touchoff_reagent</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>retouch_e</_selectedValue>
      <_validValues>
        <string>retouch_a</string>
        <string>retouch_b</string>
        <string>retouch_c</string>
        <string>retouch_d</string>
        <string>retouch_e</string>
        <string>retouch_f</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>true</_selectedValue>
```

```
        <_validValues />
        <_sopValue>true</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>110</_commandIndex>
    <Id>fbeb5571-0c64-4f1f-9637-ce5c7488c8c5</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>B1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
          <string>E3</string>
          <string>E4</string>
          <string>E5</string>
          <string>E6</string>
          <string>D1</string>
          <string>D2</string>
          <string>D3</string>
          <string>D4</string>
          <string>D5</string>
          <string>D6</string>
          <string>D7</string>
          <string>D8</string>
          <string>B1</string>
          <string>B2</string>
          <string>B3</string>
          <string>B4</string>
          <string>B5</string>
          <string>B6</string>
```

```
            <string>B7</string>
            <string>B8</string>
            <string>A1</string>
            <string>A2</string>
            <string>A3</string>
            <string>A4</string>
            <string>A5</string>
            <string>A6</string>
            <string>A7</string>
            <string>A8</string>
          </_validValues>
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>1</_selectedValue>
          <_validValues />
          <_sopValue>1</_sopValue>
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue xsi:nil="true" />
          <IsRequired>true</IsRequired>
        </CommandVariable>
        <CommandVariable>
          <_selectedValue>19</_selectedValue>
          <_validValues />
          <_isEditable>false</_isEditable>
          <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
          <VariableType>String</VariableType>
          <MinSOPValue xsi:nil="true" />
          <MaxSOPValue>19</MaxSOPValue>
          <IsRequired>true</IsRequired>
        </CommandVariable>
      </CommandVariables>
      <IsCompositeCommand>false</IsCompositeCommand>
    </Command>
    <Command xsi:type="WaitCommand">
      <_repeatIndex>0</_repeatIndex>
      <_commandIndex>111</_commandIndex>
      <Id>79b39d69-0cf5-4c71-9919-7d7226562918</Id>
      <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
      <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
```

```
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>112</_commandIndex>
    <Id>a43679ec-40c9-4c87-b73b-71919cc7413f</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Other</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
          <string>E1</string>
          <string>E2</string>
```

```
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>1</_selectedValue>
```

```
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>19</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="TouchOffCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>113</_commandIndex>
    <Id>1e656c88-afd8-475d-967b-a6af6f3d77d0</Id>
    <CommandTypeId>fc40bf3b-4e1b-438a-89b5-c8f3696f49b8</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>TOUCHOFF_COMMAND_TO</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
```

```
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>safe_touchoff_reagent</_selectedValue>
      <_validValues>
        <string>safe_touchoff_reagent</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFF_HEIGHT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>retouch_f</_selectedValue>
      <_validValues>
        <string>retouch_a</string>
        <string>retouch_b</string>
        <string>retouch_c</string>
        <string>retouch_d</string>
        <string>retouch_e</string>
        <string>retouch_f</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_TOUCHOFFPOINT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
    <CommandVariable>
      <_selectedValue>true</_selectedValue>
      <_validValues />
      <_sopValue>true</_sopValue>
      <_isEditable>false</_isEditable>
      <VariableId>TOUCHOFF_COMMAND_BLOWOUT</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="CommentCommand">
  <_repeatIndex>0</_repeatIndex>
```

```
    <_commandIndex>114</_commandIndex>
    <Id>a011c59c-5d73-4997-9187-f522f595189f</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>End - Post Conjugate Wash</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
        <VariableType>LargeString</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>115</_commandIndex>
    <Id>57734eec-3a65-401c-bb61-352471e04d0f</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Begin - Substrate Incubation </_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
        <VariableType>LargeString</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>116</_commandIndex>
    <Id>511d6a39-58e8-48f6-bc5f-d53066add3e6</Id>
    <CommandTypeId>5a9ccdba-7913-4fa4-b06b-9f3cc87b60d3</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>A1</_selectedValue>
        <_validValues>
```

```
      <string>F3</string>
      <string>F4</string>
      <string>F5</string>
      <string>F6</string>
      <string>F7</string>
      <string>F8</string>
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>ASPIRATE_COMMAND_FROM</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
  <CommandVariable>
    <_selectedValue>1</_selectedValue>
    <_validValues />
    <_sopValue>1</_sopValue>
```

```
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>15</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue>19</MaxSOPValue>
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="AspirateAirCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>117</_commandIndex>
    <Id>f56928bb-063d-4633-84f7-88b3ccefa50c</Id>
    <CommandTypeId>9bb8e446-3968-48d9-a1a7-ac7a5156bff0</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>1</_selectedValue>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_AIR_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>3</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>ASPIRATE_AIR_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
```

```
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="WaitCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>118</_commandIndex>
    <Id>e2e7e8a5-bd97-4cf2-a6ab-ebf526924892</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb533</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>60</_selectedValue>
        <_validValues />
        <_isEditable>true</_isEditable>
        <VariableId>WAITCOMMAND_TIMEINSECONDS</VariableId>
        <VariableType>Int</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="ReadPMTCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>119</_commandIndex>
    <Id>b6ebf44b-c785-47c9-b0a7-5f47b3583ddf</Id>
    <CommandTypeId>9d52ad01-17ea-4c86-a4b2-5d63debace9a</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>1</_selectedValue>
        <_validValues>
          <string>1</string>
          <string>2</string>
          <string>3</string>
          <string>4</string>
          <string>5</string>
          <string>6</string>
          <string>7</string>
          <string>8</string>
        </_validValues>
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>READ_PMT_COMMAND_FIRSTTIP</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
```

```
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>8</_selectedValue>
        <_validValues />
        <_sopValue>8</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>READ_PMT_COMMAND_COUNT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>false</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DispenseCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>120</_commandIndex>
    <Id>1483ffe8-ec1b-4bba-9ebe-b5878075f2a9</Id>
    <CommandTypeId>e9dda51f-61ee-488b-acf1-f665be77fd00</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>Other</_selectedValue>
        <_validValues>
          <string>Diluent</string>
          <string>Sample</string>
          <string>Reagent</string>
          <string>MixedSample</string>
          <string>Other</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TYPE</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>C1</_selectedValue>
        <_validValues>
          <string>F3</string>
          <string>F4</string>
          <string>F5</string>
          <string>F6</string>
          <string>F7</string>
          <string>F8</string>
```

```
      <string>E1</string>
      <string>E2</string>
      <string>E3</string>
      <string>E4</string>
      <string>E5</string>
      <string>E6</string>
      <string>E7</string>
      <string>E8</string>
      <string>D1</string>
      <string>D2</string>
      <string>D3</string>
      <string>D4</string>
      <string>D5</string>
      <string>D6</string>
      <string>D7</string>
      <string>D8</string>
      <string>C1</string>
      <string>C2</string>
      <string>C3</string>
      <string>C4</string>
      <string>C5</string>
      <string>C6</string>
      <string>C7</string>
      <string>C8</string>
      <string>B1</string>
      <string>B2</string>
      <string>B3</string>
      <string>B4</string>
      <string>B5</string>
      <string>B6</string>
      <string>B7</string>
      <string>B8</string>
      <string>A1</string>
      <string>A2</string>
      <string>A3</string>
      <string>A4</string>
      <string>A5</string>
      <string>A6</string>
      <string>A7</string>
      <string>A8</string>
    </_validValues>
    <_isEditable>false</_isEditable>
    <VariableId>DISPENSE_COMMAND_TO</VariableId>
    <VariableType>String</VariableType>
    <MinSOPValue xsi:nil="true" />
    <MaxSOPValue xsi:nil="true" />
    <IsRequired>true</IsRequired>
  </CommandVariable>
```

```
      <CommandVariable>
        <_selectedValue>1</_selectedValue>
        <_validValues />
        <_sopValue>1</_sopValue>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_INCREMENT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>18</_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_VOLUME</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>zwaste1</_selectedValue>
        <_validValues>
          <string>zwaste1</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>DISPENSE_COMMAND_TOHEIGHT</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="CommentCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>121</_commandIndex>
    <Id>5d797d0f-060e-40ae-bca1-ce5389a172fd</Id>
    <CommandTypeId>c4dd178c-e4da-4837-9923-5d111d2cb534</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>End - Substrate Incubation </_selectedValue>
        <_validValues />
        <_isEditable>false</_isEditable>
        <VariableId>COMMENT_STRING</VariableId>
```

```
      <VariableType>LargeString</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>false</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="DisposeTipCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>122</_commandIndex>
  <Id>ac2473a8-c86e-43b6-a58f-46eb53f32100</Id>
  <CommandTypeId>b0020316-3868-47a1-8499-5ea9d7fa7a24</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>C1</_selectedValue>
      <_validValues>
        <string>C1</string>
        <string>C2</string>
        <string>C3</string>
        <string>C4</string>
        <string>C5</string>
        <string>C6</string>
        <string>C7</string>
        <string>C8</string>
      </_validValues>
      <_isEditable>false</_isEditable>
      <VariableId>DISPOSE_TIP_COMMAND_TO</VariableId>
      <VariableType>String</VariableType>
      <MinSOPValue xsi:nil="true" />
      <MaxSOPValue xsi:nil="true" />
      <IsRequired>true</IsRequired>
    </CommandVariable>
  </CommandVariables>
  <IsCompositeCommand>false</IsCompositeCommand>
</Command>
<Command xsi:type="PickupTipCommand">
  <_repeatIndex>0</_repeatIndex>
  <_commandIndex>123</_commandIndex>
  <Id>62609013-7de6-43a1-b969-606924e4cc8f</Id>
  <CommandTypeId>0b6f316d-61a9-4dc1-9f92-9b4e56f6edc3</CommandTypeId>
  <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
  <CommandVariables>
    <CommandVariable>
      <_selectedValue>F1</_selectedValue>
      <_validValues>
        <string>F1</string>
```

```
          <string>F2</string>
          <string>E7</string>
          <string>E8</string>
        </_validValues>
        <_isEditable>false</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_FROM</VariableId>
        <VariableType>String</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
      <CommandVariable>
        <_selectedValue>Blood Tip</_selectedValue>
        <_validValues>
          <string>Blood Tip</string>
          <string>Reagent Tip</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>PICKUP_TIP_COMMAND_TIPTYPE</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
  <Command xsi:type="DisposeTipCommand">
    <_repeatIndex>0</_repeatIndex>
    <_commandIndex>124</_commandIndex>
    <Id>3a57258c-5707-46d1-bd7c-fc7314929269</Id>
    <CommandTypeId>b0020316-3868-47a1-8499-5ea9d7fa7a24</CommandTypeId>
    <UserCommandId>00000000-0000-0000-0000-000000000000</UserCommandId>
    <CommandVariables>
      <CommandVariable>
        <_selectedValue>E7</_selectedValue>
        <_validValues>
          <string>F1</string>
          <string>F2</string>
          <string>E7</string>
          <string>E8</string>
        </_validValues>
        <_isEditable>true</_isEditable>
        <VariableId>DISPOSE_TIP_COMMAND_TO</VariableId>
        <VariableType>SingleSelection</VariableType>
        <MinSOPValue xsi:nil="true" />
        <MaxSOPValue xsi:nil="true" />
        <IsRequired>true</IsRequired>
```

```
      </CommandVariable>
    </CommandVariables>
    <IsCompositeCommand>false</IsCompositeCommand>
  </Command>
</ProtocolCommands>
<CsDef>
  <CartridgeDefinitionId>00000000-0000-0000-0000-000000000000</CartridgeDefinitionId>
  <CartridgeLayoutId>00000000-0000-0000-0000-000000000000</CartridgeLayoutId>
  <CreatedBy>00000000-0000-0000-0000-000000000000</CreatedBy>
  <CartridgeMap>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>EdisonCartridgeMap</Name>
    <Reference>
      <Reference>
        <Id>00000000-0000-0000-0000-000000000000</Id>
        <Name>cartridge_offset</Name>
        <Point>p1</Point>
        <Row>4</Row>
        <Column>1</Column>
        <Height>0</Height>
      </Reference>
      <Reference>
        <Id>00000000-0000-0000-0000-000000000000</Id>
        <Name>sample6</Name>
        <Point>p2</Point>
        <Row>2</Row>
        <Column>6</Column>
        <Height xsi:nil="true" />
      </Reference>
      <Reference>
        <Id>00000000-0000-0000-0000-000000000000</Id>
        <Name>zpcrbot</Name>
        <Point>p2</Point>
        <Row xsi:nil="true" />
        <Column xsi:nil="true" />
        <Height>18.66</Height>
      </Reference>
    </Reference>
    <Locations>
      <Location>
        <Id>00000000-0000-0000-0000-000000000000</Id>
        <Name>F1</Name>
        <Row>1</Row>
        <Column>1</Column>
        <Height xsi:nil="true" />
        <LocationType>BloodTipRest</LocationType>
        <Configurable>false</Configurable>
        <IsSelected>false</IsSelected>
```

```
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>F2</Name>
  <Row>1</Row>
  <Column>2</Column>
  <Height xsi:nil="true" />
  <LocationType>BloodTipRest</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>F3</Name>
  <Row>1</Row>
  <Column>3</Column>
  <Height xsi:nil="true" />
  <LocationType>Diluent</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>F4</Name>
  <Row>1</Row>
  <Column>4</Column>
  <Height xsi:nil="true" />
  <LocationType>Diluent</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>F5</Name>
  <Row>1</Row>
  <Column>5</Column>
  <Height xsi:nil="true" />
  <LocationType>OtherWell</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>F6</Name>
  <Row>1</Row>
  <Column>6</Column>
  <Height xsi:nil="true" />
  <LocationType>OtherWell</LocationType>
```

```
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>F7</Name>
    <Row>1</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>F8</Name>
    <Row>1</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>Sample</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E1</Name>
    <Row>2</Row>
    <Column>1</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E2</Name>
    <Row>2</Row>
    <Column>2</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E3</Name>
    <Row>2</Row>
    <Column>3</Column>
```

```
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E4</Name>
    <Row>2</Row>
    <Column>4</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E5</Name>
    <Row>2</Row>
    <Column>5</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E6</Name>
    <Row>2</Row>
    <Column>6</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E7</Name>
    <Row>2</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>BloodTip</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>E8</Name>
```

```
    <Row>2</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>BloodTip</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D1</Name>
    <Row>3</Row>
    <Column>1</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D2</Name>
    <Row>3</Row>
    <Column>2</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D3</Name>
    <Row>3</Row>
    <Column>3</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D4</Name>
    <Row>3</Row>
    <Column>4</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
```

```
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D5</Name>
    <Row>3</Row>
    <Column>5</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D6</Name>
    <Row>3</Row>
    <Column>6</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D7</Name>
    <Row>3</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>D8</Name>
    <Row>3</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>C1</Name>
    <Row>4</Row>
    <Column>1</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTip</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
```

```
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>C2</Name>
  <Row>4</Row>
  <Column>2</Column>
  <Height xsi:nil="true" />
  <LocationType>ReagentTip</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>C3</Name>
  <Row>4</Row>
  <Column>3</Column>
  <Height xsi:nil="true" />
  <LocationType>ReagentTip</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>C4</Name>
  <Row>4</Row>
  <Column>4</Column>
  <Height xsi:nil="true" />
  <LocationType>ReagentTip</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>C5</Name>
  <Row>4</Row>
  <Column>5</Column>
  <Height xsi:nil="true" />
  <LocationType>ReagentTip</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>C6</Name>
  <Row>4</Row>
  <Column>6</Column>
  <Height xsi:nil="true" />
  <LocationType>ReagentTip</LocationType>
```

```
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>C7</Name>
    <Row>4</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTip</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>C8</Name>
    <Row>4</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTip</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B1</Name>
    <Row>5</Row>
    <Column>1</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B2</Name>
    <Row>5</Row>
    <Column>2</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B3</Name>
    <Row>5</Row>
    <Column>3</Column>
```

```
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B4</Name>
    <Row>5</Row>
    <Column>4</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B5</Name>
    <Row>5</Row>
    <Column>5</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B6</Name>
    <Row>5</Row>
    <Column>6</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B7</Name>
    <Row>5</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>B8</Name>
```

```
    <Row>5</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>WashBuffer</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A1</Name>
    <Row>6</Row>
    <Column>1</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A2</Name>
    <Row>6</Row>
    <Column>2</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A3</Name>
    <Row>6</Row>
    <Column>3</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A4</Name>
    <Row>6</Row>
    <Column>4</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
```

```
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A5</Name>
    <Row>6</Row>
    <Column>5</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A6</Name>
    <Row>6</Row>
    <Column>6</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A7</Name>
    <Row>6</Row>
    <Column>7</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>A8</Name>
    <Row>6</Row>
    <Column>8</Column>
    <Height xsi:nil="true" />
    <LocationType>OtherWell</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe1</Name>
    <Row>1.68</Row>
    <Column>7.68</Column>
    <Height xsi:nil="true" />
    <LocationType>BloodTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
```

```
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe1</Name>
  <Row xsi:nil="true" />
  <Column xsi:nil="true" />
  <Height xsi:nil="true" />
  <FriendlyName>E8</FriendlyName>
  <LocationType>BloodTipTouchoffLocation</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe2</Name>
  <Row>1.68</Row>
  <Column>7.32</Column>
  <Height xsi:nil="true" />
  <LocationType>BloodTipTouchoffPoint</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe2</Name>
  <Row xsi:nil="true" />
  <Column xsi:nil="true" />
  <Height xsi:nil="true" />
  <FriendlyName>E8</FriendlyName>
  <LocationType>BloodTipTouchoffLocation</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe3</Name>
  <Row>2.32</Row>
  <Column>7.68</Column>
  <Height xsi:nil="true" />
  <LocationType>BloodTipTouchoffPoint</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe3</Name>
  <Row xsi:nil="true" />
  <Column xsi:nil="true" />
```

```
    <Height xsi:nil="true" />
    <FriendlyName>E8</FriendlyName>
    <LocationType>BloodTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe4</Name>
    <Row>2.32</Row>
    <Column>7.32</Column>
    <Height xsi:nil="true" />
    <LocationType>BloodTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe4</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>E8</FriendlyName>
    <LocationType>BloodTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe5</Name>
    <Row>2</Row>
    <Column>7.5</Column>
    <Height xsi:nil="true" />
    <LocationType>BloodTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe5</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>E8</FriendlyName>
    <LocationType>BloodTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
```

```
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe6</Name>
  <Row>3.67</Row>
  <Column>7.5</Column>
  <Height xsi:nil="true" />
  <LocationType>BloodTipTouchoffPoint</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe6</Name>
  <Row xsi:nil="true" />
  <Column xsi:nil="true" />
  <Height xsi:nil="true" />
  <FriendlyName>C8</FriendlyName>
  <LocationType>BloodTipTouchoffLocation</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe7</Name>
  <Row>4.33</Row>
  <Column>7.5</Column>
  <Height xsi:nil="true" />
  <LocationType>BloodTipTouchoffPoint</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe7</Name>
  <Row xsi:nil="true" />
  <Column xsi:nil="true" />
  <Height xsi:nil="true" />
  <FriendlyName>C8</FriendlyName>
  <LocationType>BloodTipTouchoffLocation</LocationType>
  <Configurable>false</Configurable>
  <IsSelected>false</IsSelected>
</Location>
<Location>
  <Id>00000000-0000-0000-0000-000000000000</Id>
  <Name>bwipe8</Name>
  <Row>4</Row>
  <Column>7.5</Column>
  <Height xsi:nil="true" />
```

```
    <LocationType>BloodTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>bwipe8</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C8</FriendlyName>
    <LocationType>BloodTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_a</Name>
    <Row>4.33</Row>
    <Column>1.22</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_a</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_b</Name>
    <Row>3.67</Row>
    <Column>1.22</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
```

```
    <Name>retouch_b</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_c</Name>
    <Row>3.61</Row>
    <Column>1.08</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_c</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_d</Name>
    <Row>3.61</Row>
    <Column>0.92</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_d</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
```

```
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_e</Name>
    <Row>3.67</Row>
    <Column>0.78</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_e</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_f</Name>
    <Row>4.33</Row>
    <Column>0.78</Column>
    <Height xsi:nil="true" />
    <LocationType>ReagentTipTouchoffPoint</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>retouch_f</Name>
    <Row xsi:nil="true" />
    <Column xsi:nil="true" />
    <Height xsi:nil="true" />
    <FriendlyName>C1</FriendlyName>
    <LocationType>ReagentTipTouchoffLocation</LocationType>
    <Configurable>false</Configurable>
    <IsSelected>false</IsSelected>
  </Location>
  <Location>
    <Id>00000000-0000-0000-0000-000000000000</Id>
    <Name>zwaste1</Name>
```

```
          <Row xsi:nil="true" />
          <Column xsi:nil="true" />
          <Height>8.6</Height>
          <LocationType>WasteHeight</LocationType>
          <Configurable>false</Configurable>
          <IsSelected>false</IsSelected>
        </Location>
        <Location>
          <Id>00000000-0000-0000-0000-000000000000</Id>
          <Name>safe_touchoff_blood</Name>
          <Row xsi:nil="true" />
          <Column xsi:nil="true" />
          <Height>32.5</Height>
          <LocationType>BloodTipSafeTouchoffHeight</LocationType>
          <Configurable>false</Configurable>
          <IsSelected>false</IsSelected>
        </Location>
        <Location>
          <Id>00000000-0000-0000-0000-000000000000</Id>
          <Name>safe_touchoff_reagent</Name>
          <Row xsi:nil="true" />
          <Column xsi:nil="true" />
          <Height>28</Height>
          <LocationType>ReagentTipSafeTouchoffHeight</LocationType>
          <Configurable>false</Configurable>
          <IsSelected>false</IsSelected>
        </Location>
      </Locations>
    </CartridgeMap>
  </CsDef>
</ProtocolDefinition>
```

PROTOCOL INSTRUCTIONS FOR: Male_Health

1. >> Pickup Tip of Type : Blood Tip from Well : E8

2. >> Move Fluid of Type : Diluent - From Well : D8 - To Well : D8 - Volume(in µl) : 35 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

3. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

4. >> Move Fluid of Type : Diluent - From Well : D8 - To Well : F7 - Volume(in µl) : 48 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

5. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

6. >> Move Fluid of Type : Sample - From Well : F8 - To Well : F7 - Volume(in µl) : 12 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 0

7. >> Mix Well : F7 - Number of Times : 15 - Mix Volume(in µl) : 60

8. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

9. >> Move Fluid of Type : Diluent - From Well : D7 - To Well : F6 - Volume(in µl) : 70 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

10. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

11. >> Mix Well : F7 - Number of Times : 2 - Mix Volume(in µl) : 60

12. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

13. >> Move Fluid of Type : Sample - From Well : F7 - To Well : F6 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 0

14. >> Mix Well : F6 - Number of Times : 2 - Mix Volume(in µl) : 80

15. >> Touchoff using Touchoff point : bwipe2 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

16. >> Move Fluid of Type : Reagent - From Well : F4 - To Well : F6 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

FOIA Confidential Treatment Requested by Theranos
Fed. R. Crim. P. 6(e) material

17. >> Mix Well : F6 - Number of Times : 15 - Mix Volume(in µl) : 90

18. >> Touchoff using Touchoff point : bwipe3 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

19. >> Aspirate From : B6 Volume(in µl) : 35 using Increment (Enter 0 for Full Speed): 0

20. >> Dispense Fluid with Type : Reagent - Volume(in µl) : 35 using Increment (Enter 0 for Full Speed): 0 to well : C6 using height : zwaste1

21. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

22. >> Move Fluid of Type : Diluent - From Well : F3 - To Well : E6 - Volume(in µl) : 32 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

23. >> Move Fluid of Type : Diluent - From Well : F3 - To Well : D6 - Volume(in µl) : 72 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

24. >> Move Fluid of Type : Diluent - From Well : F3 - To Well : E1 - Volume(in µl) : 80 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

25. >> Move Fluid of Type : Diluent - From Well : F3 - To Well : E2 - Volume(in µl) : 90 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

26. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

27. >> Move Fluid of Type : Sample - From Well : F8 - To Well : E6 - Volume(in µl) : 8 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 0

28. >> Mix Well : E6 - Number of Times : 15 - Mix Volume(in µl) : 40

29. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

30. >> Move Fluid of Type : Diluent - From Well : E6 - To Well : D4 - Volume(in µl) : 24 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

31. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

32. >> Move Fluid of Type : Reagent - From Well : A6 - To Well : D4 - Volume(in µl) : 24 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

33. >> Mix Well : D4 - Number of Times : 15 - Mix Volume(in µl) : 48

34. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

35. >> Move Fluid of Type : MixedSample - From Well : D4 - To Well : D3 - Volume(in µl) : 20 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 2

36. >> Touchoff using Touchoff point : bwipe4 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

37. >> Move Fluid of Type : Reagent - From Well : E6 - To Well : D6 - Volume(in µl) : 8 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

38. >> Mix Well : D6 - Number of Times : 15 - Mix Volume(in µl) : 80

39. >> Touchoff using Touchoff point : bwipe5 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

40. >> Move Fluid of Type : Diluent - From Well : D6 - To Well : D1 - Volume(in µl) : 24 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

41. >> Touchoff using Touchoff point : bwipe5 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

42. >> Move Fluid of Type : Reagent - From Well : A7 - To Well : D1 - Volume(in µl) : 24 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

43. >> Mix Well : D1 - Number of Times : 15 - Mix Volume(in µl) : 48

44. >> Touchoff using Touchoff point : bwipe5 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

45. >> Aspirate From : B6 Volume(in µl) : 35 using Increment (Enter 0 for Full Speed): 0

46. >> Dispense Fluid with Type : Diluent - Volume(in µl) : 35 using Increment (Enter 0 for Full Speed): 0 to well : C6 using height : zwaste1

47. >> Touchoff using Touchoff point : bwipe6 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

48. >> Move Fluid of Type : Diluent - From Well : B8 - To Well : E4 - Volume(in µl) : 72 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

49. >> Move Fluid of Type : Diluent - From Well : B8 - To Well : E3 - Volume(in µl) : 90 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

50. >> Touchoff using Touchoff point : bwipe6 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

51. >> Move Fluid of Type : Sample - From Well : F8 - To Well : F8 - Volume(in µl) : 8 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 0

52. >> Touchoff using Touchoff point : bwipe6 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

53. >> Move Fluid of Type : Sample - From Well : F8 - To Well : E4 - Volume(in µl) : 8 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 0

54. >> Mix Well : E4 - Number of Times : 15 - Mix Volume(in µl) : 80

55. >> Touchoff using Touchoff point : bwipe6 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

56. >> Move Fluid of Type : Reagent - From Well : E4 - To Well : E3 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

57. >> Mix Well : E3 - Number of Times : 15 - Mix Volume(in µl) : 100

58. >> Touchoff using Touchoff point : bwipe6 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

59. >> Move Fluid of Type : Reagent - From Well : E3 - To Well : E2 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

60. >> Mix Well : E2 - Number of Times : 15 - Mix Volume(in µl) : 100

61. >> Touchoff using Touchoff point : bwipe7 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

62. >> Move Fluid of Type : Reagent - From Well : E2 - To Well : E1 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

63. >> Mix Well : E1 - Number of Times : 2 - Mix Volume(in µl) : 90

64. >> Touchoff using Touchoff point : bwipe7 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

65. >> Move Fluid of Type : Reagent - From Well : A8 - To Well : E1 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

66. >> Mix Well : E1 - Number of Times : 15 - Mix Volume(in µl) : 100

67. >> Move Fluid of Type : MixedSample - From Well : E1 - To Well : D2 - Volume(in µl) : 20 - using Increment (Enter 0 for Full Speed) : 1 and overage volume : 2

68. >> Dispose Tip To Well : F1

69. >> Pickup Tip of Type : Blood Tip from Well : E7

70. >> Move Fluid of Type : Diluent - From Well : D7 - To Well : D7 - Volume(in µl) : 35 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

71. >> Touchoff using Touchoff point : bwipe1 to Well : E8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

72. >> Move Fluid of Type : Reagent - From Well : F5 - To Well : F6 - Volume(in µl) : 10 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 0

73. >> Mix Well : F6 - Number of Times : 15 - Mix Volume(in µl) : 100

74. >> Touchoff using Touchoff point : bwipe8 to Well : C8 with Safe Touchoff Height : safe_touchoff_blood . Blowout? : true

75. >> Move Fluid of Type : Diluent - From Well : F6 - To Well : D5 - Volume(in µl) : 20 - using Increment (Enter 0 for Full Speed) : 0 and overage volume : 2

76. >> Dispose Tip To Well : F2

77. >> Pickup Tip of Type : Reagent Tip from Well : C1

78. >> Begin - Prewet Reaction Tips

79. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

80. >> Wait for : 60 seconds

81. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

82. >> Touchoff using Touchoff point : retouch_a to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

83. >> End - Prewet Reaction Tips

84. >> Begin - Conjugate Incubation

85. >> Aspirate From : D1 Volume(in µl) : 12 using Increment (Enter 0 for Full Speed): 1

86. >> Aspirate Air - Volume(in µl) : 4 using Increment (Enter 0 for Full Speed): 1

87. >> Wait for : 120 seconds

88. >> Dispense Fluid with Type : Other - Volume(in µl) : 16 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

89. >> Touchoff using Touchoff point : retouch_a to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

90. >> End - Conjugate Incubation

91. >> Begin - Post Conjugate Wash

92. >> Repeat : 2 times

93. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

94. >> Wait for : 60 seconds

95. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

96. >> Touchoff using Touchoff point : retouch_b to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

97. >> Repeat End

98. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

99. >> Wait for : 60 seconds

100. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

101. >> Touchoff using Touchoff point : retouch_c to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

102. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

103. >> Wait for : 60 seconds

104. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

105. >> Touchoff using Touchoff point : retouch_d to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

106. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

107. >> Wait for : 60 seconds

108. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

109. >> Touchoff using Touchoff point : retouch_e to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

110. >> Aspirate From : B1 Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1

111. >> Wait for : 60 seconds

112. >> Dispense Fluid with Type : Other - Volume(in µl) : 19 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

113. >> Touchoff using Touchoff point : retouch_f to Well : C1 with Safe Touchoff Height : safe_touchoff_reagent . Blowout? : true

114. >> End - Post Conjugate Wash

115. >> Begin - Substrate Incubation

116. >> Aspirate From : A1 Volume(in µl) : 15 using Increment (Enter 0 for Full Speed): 1

117. >> Aspirate Air - Volume(in µl) : 3 using Increment (Enter 0 for Full Speed): 1

118. >> Wait for : 60 seconds

119. >> Read PMT with first tip as : 1 and number of tips : 8

120. >> Dispense Fluid with Type : Other - Volume(in µl) : 18 using Increment (Enter 0 for Full Speed): 1 to well : C1 using height : zwaste1

121. >> End - Substrate Incubation

122. >> Dispose Tip To Well : C1

123. >> Pickup Tip of Type : Blood Tip from Well : F1

124. >> Dispose Tip To Well : E7

```
<Protocol xmlns="/com/theranos/apps/protocol/model/v1/protocol.xsd" name="Male_Health"
cartridge="sandwich_elisa" runtime="4000">
  <Map name="cartridge">
    <Reference name="cartridge_offset" column="1" row="4" height="0" point="p1" />
    <Reference name="sample6" column="6" row="2" point="p2" />
    <Reference name="zpcrbot" height="18.66" point="p2" />
    <Location name="F1" column="1" row="1" />
    <Location name="F2" column="2" row="1" />
    <Location name="F3" column="3" row="1" />
    <Location name="F4" column="4" row="1" />
    <Location name="F5" column="5" row="1" />
    <Location name="F6" column="6" row="1" />
    <Location name="F7" column="7" row="1" />
    <Location name="F8" column="8" row="1" />
    <Location name="E1" column="1" row="2" />
    <Location name="E2" column="2" row="2" />
    <Location name="E3" column="3" row="2" />
    <Location name="E4" column="4" row="2" />
    <Location name="E5" column="5" row="2" />
    <Location name="E6" column="6" row="2" />
    <Location name="E7" column="7" row="2" />
    <Location name="E8" column="8" row="2" />
    <Location name="D1" column="1" row="3" />
    <Location name="D2" column="2" row="3" />
    <Location name="D3" column="3" row="3" />
    <Location name="D4" column="4" row="3" />
    <Location name="D5" column="5" row="3" />
    <Location name="D6" column="6" row="3" />
    <Location name="D7" column="7" row="3" />
    <Location name="D8" column="8" row="3" />
    <Location name="C1" column="1" row="4" />
    <Location name="C2" column="2" row="4" />
    <Location name="C3" column="3" row="4" />
    <Location name="C4" column="4" row="4" />
    <Location name="C5" column="5" row="4" />
    <Location name="C6" column="6" row="4" />
    <Location name="C7" column="7" row="4" />
    <Location name="C8" column="8" row="4" />
    <Location name="B1" column="1" row="5" />
    <Location name="B2" column="2" row="5" />
    <Location name="B3" column="3" row="5" />
    <Location name="B4" column="4" row="5" />
    <Location name="B5" column="5" row="5" />
    <Location name="B6" column="6" row="5" />
    <Location name="B7" column="7" row="5" />
    <Location name="B8" column="8" row="5" />
    <Location name="A1" column="1" row="6" />
    <Location name="A2" column="2" row="6" />
```

```
    <Location name="A3" column="3" row="6" />
    <Location name="A4" column="4" row="6" />
    <Location name="A5" column="5" row="6" />
    <Location name="A6" column="6" row="6" />
    <Location name="A7" column="7" row="6" />
    <Location name="A8" column="8" row="6" />
    <Location name="bwipe1" column="7.68" row="1.68" />
    <Location name="bwipe2" column="7.32" row="1.68" />
    <Location name="bwipe3" column="7.68" row="2.32" />
    <Location name="bwipe4" column="7.32" row="2.32" />
    <Location name="bwipe5" column="7.5" row="2" />
    <Location name="bwipe6" column="7.5" row="3.67" />
    <Location name="bwipe7" column="7.5" row="4.33" />
    <Location name="bwipe8" column="7.5" row="4" />
    <Location name="retouch_a" column="1.22" row="4.33" />
    <Location name="retouch_b" column="1.22" row="3.67" />
    <Location name="retouch_c" column="1.08" row="3.61" />
    <Location name="retouch_d" column="0.92" row="3.61" />
    <Location name="retouch_e" column="0.78" row="3.67" />
    <Location name="retouch_f" column="0.78" row="4.33" />
    <Location name="zwaste1" height="8.6" />
    <Location name="safe_touchoff_blood" height="32.5" />
    <Location name="safe_touchoff_reagent" height="28" />
  </Map>
  <Tip pickup="E8" type="blood" dispose="F1">
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <MoveFluid type="diluent" from="D8" void_volume="0" volume="35" to="D8" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <MoveFluid type="diluent" from="D8" void_volume="2" volume="48" to="F7" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <MoveFluid type="sample" from="F8" increment="1" void_volume="0" volume="12"
to="F7" />
      <Mix well="F7" count="15" volume="60" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <MoveFluid type="diluent" from="D7" void_volume="2" volume="70" to="F6" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <Mix well="F7" count="2" volume="60" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe2" blowout="true">
      <MoveFluid type="sample" from="F7" increment="1" void_volume="0" volume="10"
to="F6" />
      <Mix well="F6" count="2" volume="80" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe3" blowout="true">
```

```
      <MoveFluid type="other" from="F4" void_volume="0" volume="10" to="F6" />
      <Mix well="F6" count="15" volume="90" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <AspirateFrom from="B6" volume="35" />
      <DispenseTo type="Reagent" to="C6" volume="35" toHeight="zwaste1" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <MoveFluid type="diluent" from="F3" void_volume="2">
        <Distribute volume="32" to="E6" />
        <Distribute volume="72" to="D6" />
        <Distribute volume="80" to="E1" route="F4,E4" />
        <Distribute volume="90" to="E2" route="F4,E4" />
      </MoveFluid>
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <MoveFluid type="sample" from="F8" increment="1" void_volume="0" volume="8"
to="E6" />
      <Mix well="E6" count="15" volume="40" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <MoveFluid type="diluent" from="E6" void_volume="2" volume="24" to="D4" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <MoveFluid type="other" from="A6" void_volume="0" volume="24" to="D4" />
      <Mix well="D4" count="15" volume="48" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe4" blowout="true">
      <MoveFluid type="other" from="D4" increment="1" void_volume="2" volume="20"
to="D3" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe5" blowout="true">
      <MoveFluid type="other" from="E6" void_volume="0" volume="8" to="D6" />
      <Mix well="D6" count="15" volume="80" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe5" blowout="true">
      <MoveFluid type="diluent" from="D6" void_volume="2" volume="24" to="D1"
route="D4,D4" />
    </TouchOff>
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe5" blowout="true">
      <MoveFluid type="other" from="A7" void_volume="0" volume="24" to="D1"
route="A4,D4" />
      <Mix well="D1" count="15" volume="48" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe6" blowout="true">
      <AspirateFrom from="B6" volume="35" />
      <DispenseTo type="Diluent" to="C6" volume="35" toHeight="zwaste1" />
    </TouchOff>
```

```
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe6" blowout="true">
      <MoveFluid type="diluent" from="B8" void_volume="2">
        <Distribute volume="72" to="E4" />
        <Distribute volume="90" to="E3" />
      </MoveFluid>
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe6" blowout="true">
      <MoveFluid type="sample" from="F8" increment="1" void_volume="0" volume="8"
to="F8" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe6" blowout="true">
      <MoveFluid type="sample" from="F8" increment="1" void_volume="0" volume="8"
to="E4" />
      <Mix well="E4" count="15" volume="80" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe6" blowout="true">
      <MoveFluid type="other" from="E4" void_volume="0" volume="10" to="E3" />
      <Mix well="E3" count="15" volume="100" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe7" blowout="true">
      <MoveFluid type="other" from="E3" void_volume="0" volume="10" to="E2"
route="E4,E4" />
      <Mix well="E2" count="15" volume="100" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe7" blowout="true">
      <MoveFluid type="other" from="E2" void_volume="0" volume="10" to="E1"
route="E4,E4" />
      <Mix well="E1" count="2" volume="90" />
    </TouchOff>
    <MoveFluid type="other" from="A8" void_volume="0" volume="10" to="E1" route="A4,E4"
/>
    <Mix well="E1" count="15" volume="100" />
    <MoveFluid type="other" from="E1" increment="1" void_volume="2" volume="20" to="D2"
route="E4,D4" />
  </Tip>
  <Tip pickup="E7" type="blood" dispose="F2">
    <TouchOff route="E8,safe_touchoff_blood" wipe="bwipe1" blowout="true">
      <MoveFluid type="diluent" from="D7" void_volume="0" volume="35" to="D7" />
    </TouchOff>
    <TouchOff route="C8,safe_touchoff_blood" wipe="bwipe8" blowout="true">
      <MoveFluid type="other" from="F5" void_volume="0" volume="10" to="F6" />
      <Mix well="F6" count="15" volume="100" />
    </TouchOff>
    <MoveFluid type="diluent" from="F6" void_volume="2" volume="20" to="D5" />
  </Tip>
  <Tip pickup="C1" type="reagent" dispose="C1">
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_a" blowout="true">
      <!-- Begin - Prewet Reaction Tips-->
```

```
      <AspirateFrom from="B1" increment="1" volume="19" />
      <Wait seconds="60" />
      <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1" />
    </TouchOff>
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_a" blowout="true">
      <!-- End - Prewet Reaction Tips-->
      <!-- Begin - Conjugate Incubation-->
      <AspirateFrom from="D1" increment="1" volume="12" />
      <Aspirate increment="1" volume="4" />
      <Wait seconds="120" />
      <DispenseTo type="Other" to="C1" increment="1" volume="16" toHeight="zwaste1" />
    </TouchOff>
    <!-- End - Conjugate Incubation-->
    <!-- Begin - Post Conjugate Wash-->
    <Repeat count="2">
      <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_b" blowout="true">
        <AspirateFrom from="B1" increment="1" volume="19" />
        <Wait seconds="60" />
        <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1"
/>
      </TouchOff>
    </Repeat>
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_c" blowout="true">
      <AspirateFrom from="B1" increment="1" volume="19" />
      <Wait seconds="60" />
      <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1" />
    </TouchOff>
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_d" blowout="true">
      <AspirateFrom from="B1" increment="1" volume="19" />
      <Wait seconds="60" />
      <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1" />
    </TouchOff>
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_e" blowout="true">
      <AspirateFrom from="B1" increment="1" volume="19" />
      <Wait seconds="60" />
      <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1" />
    </TouchOff>
    <TouchOff route="C1,safe_touchoff_reagent" wipe="retouch_f" blowout="true">
      <AspirateFrom from="B1" increment="1" volume="19" />
      <Wait seconds="60" />
      <DispenseTo type="Other" to="C1" increment="1" volume="19" toHeight="zwaste1" />
    </TouchOff>
    <!-- End - Post Conjugate Wash-->
    <!-- Begin - Substrate Incubation -->
    <AspirateFrom from="A1" increment="1" volume="15" />
    <Aspirate increment="1" volume="3" />
    <Wait seconds="60" />
    <ReadPmt first="1" count="8" />
```

```
    <DispenseTo type="Other" to="C1" increment="1" volume="18" toHeight="zwaste1" />
    <!-- End - Substrate Incubation -->
  </Tip>
  <Tip pickup="F1" type="blood" dispose="E7"></Tip>
</Protocol>
```

File Produced in Native Format