

To: Christian Holmes[cholmes@theranos.com]; Daniel Edlin[dedlin@theranos.com]; Elizabeth Holmes[eholmes@theranos.com]; Sunny Balwani[sbalwani@theranos.com]; Jeffrey Blickman[jblickman@theranos.com]
From: Daniel Young
Sent: Wed 8/14/2013 2:01:27 AM
Importance: Normal
Subject: demo results 8_13_2013
Received: Wed 8/14/2013 2:01:30 AM
[Lab Report Template 8 13 2013 v2.xlsx](#)
[Lab Report 8 13 2013 BW.pdf](#)
[Lab Report 8 13 2013 BF.pdf](#)
[Lab Report 8 13 2013 NJ.pdf](#)
[Lab Report 8 13 2013 RH.pdf](#)
[Lab Report 8 13 2013 SH.pdf](#)
[Lab Report 8 13 2013 ML.pdf](#)

Please see attached demo results for the 6 subjects. The excel file contains each report, and I also attached each report as a PDF with the subject initials.

I "corrected" assay results that I attributed to BCD collection problems. The GC results look good after such cleanup. As you will see, we did complete one full Chem14/Lipid panel on one subject, while the other subjects had lipids and a collection of other metabolic markers performed.

Each subject at a complete CBC with diff. The CBC data is very nice.

Each subject had the Thyroid panel performed. I removed the Thyroid results that I felt were questionable. There are a few out of range results left in the report, but they are very close to the reference range. (Note that I think there is something wrong with the TT3 assay/reagents, and am following up with Sharada. I removed all TT3 results.)

Please let me know if you have any questions.

Thanks,

Daniel Young, PhD

Vice President, Theranos Systems

Theranos, Inc

1601 S. California Ave

Palo Alto, CA 94304

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(mobile)

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Theranos Test Report Technology Demonstration

Theranos, Inc.
1601 S. California Ave, Palo Alto CA 94304

8/13/2013

Brad Wasson

PATIENT INFORMATION

PATIENT NO.	987654321
D.O.B.	Unknown
AGE / GENDER	N/A / M
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

METABOLIC MARKERS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Alkaline Phosphatase			U/L
Aspartate Aminotransferase			U/L
Calcium			mg/dl.
Carbon Dioxide			mEq/L
Chloride			mEq/L
Glucose			mg/dl.
Potassium			mEq/L
Sodium			mmol/L

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value
**Reference range is for non-fasting; results fluctuate across the range based on fasting state

LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol (calc)			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Basophil Count			10e3/uL
Eosinophil Count			10e3/uL
Lymphocyte Count			10e3/uL
Monocyte Count			10e3/uL
Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

THYROID TESTS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
TPO	<2	<9	IU/mL
Tg Ab	<4	<116	IU/mL
TT4	L 4.4	4.5 - 12.5	ug/dL
TSH	1.3	0.3 - 5	uIU/mL
ft4	H 2.0	0.8 - 1.8	ng/dL

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End Of Report

Brad Wasson

Patient ID No. 987654321

8/13/2013



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8/13/2013

Brad Fluegel

PATIENT INFORMATION

PATIENT NO.	987654321
D.O.B.	Unknown
AGE / GENDER	N/A / M
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

METABOLIC MARKERS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
BUN			mg/dL
Carbon Dioxide			mEq/L
Chloride			mEq/L
Creatinine			mg/dL
Potassium			mEq/L
Sodium			mmol/L

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**Reference range is for non-fasting; results fluctuate across the range based on fasting state

LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol (calc)			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Basophil Count			10e3/uL
Eosinophil Count			10e3/uL
Lymphocyte Count			10e3/uL
Monocyte Count			10e3/uL
Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

End Of Report

Brad Fluegel

Patient ID No. 987654321

8/13/2013



Theranos Test Report Technology Demonstration

Theranos, Inc.
1601 S. California Ave, Palo Alto CA 94304

8/13/2013

Nimesh Jhaveri

PATIENT INFORMATION

PATIENT NO.	987654321
D.O.B.	Unknown
AGE / GENDER	N/A / M
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

METABOLIC MARKERS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Calcium			mg/dL
Carbon Dioxide			mEq/L
Chloride			mEq/L
Glucose			mg/dL
Potassium			mEq/L
Sodium			mmol/L

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**Reference range is for non-fasting; results fluctuate across the range based on fasting state

LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol (calc)			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Basophil Count			10e3/uL
Eosinophil Count			10e3/uL
Lymphocyte Count			10e3/uL
Monocyte Count			10e3/uL
Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

THYROID TESTS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
TPO			IU/mL
Tg Ab			IU/mL
TT4			ug/dL
TSH			uIU/mL
ft4			ng/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

End Of Report

Nimesh Jhaveri

Patient ID No. 987654321

8/13/2013



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Theranos, Inc.
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8/13/2013

Richard Ashworth

PATIENT INFORMATION

PATIENT NO.	987654321
D.O.B.	Unknown
AGE / GENDER	N/A / M
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

BASIC METABOLIC PANEL AND HEPATIC MARKERS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Alkaline Phosphatase			U/L
Aspartate Aminotransferase			U/L
BUN			mg/dL
Calcium			mg/dL
Carbon Dioxide			mEq/L
Chloride			mEq/L
Creatinine			mg/dL
Glucose			mg/dL
Potassium			mEq/L
Sodium			mmol/L

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value
**Reference range is for non-fasting; results fluctuate across the range based on fasting state

LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol (calc)			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Basophil Count			10e3/uL
Eosinophil Count			10e3/uL
Lymphocyte Count			10e3/uL
Monocyte Count			10e3/uL
Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

THYROID TESTS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
TPO			IU/mL
Tg Ab			IU/mL
TT4			ug/dL
TSH			uIU/mL
ft4			ng/dL

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End Of Report

Richard Ashworth

Patient ID No. 987654321

8/13/2013



Theranos Test Report Technology Demonstration

Theranos, Inc.
1601 S. California Ave, Palo Alto CA 94304

8/13/2013

Suzanne Hansen

PATIENT INFORMATION

PATIENT NO.	987654322
D.O.B.	Unknown
AGE / GENDER	N/A / F
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

COMPLETE METABOLIC PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Alanine Aminotransferase			U/L
Albumin			g/dL
Alkaline Phosphatase			U/L
Aspartate Aminotransferase			U/L
BUN			mg/dL
Calcium			mg/dL
Carbon Dioxide			mEq/L
Chloride			mEq/L
Creatinine			mg/dL
Glucose			mg/dL
Potassium			mEq/L
Sodium			mmol/L
Total Bilirubin			mg/dL
Total Protein			g/dL

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LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

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Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

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TT4			ug/dL
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Suzanne Hansen

Patient ID No. 987654322

8/13/2013



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8/13/2013

Mark Lelinski

PATIENT INFORMATION

PATIENT NO.	987654321
D.O.B.	Unknown
AGE / GENDER	N/A / M
PT MEDICATIONS	Unknown
ORDERING MD	N/A *Technology Demonstration*

TEST DETAIL

SPECIMEN (S) COLLECTED	8/13/2013
LAB ACCOUNT NO.	N/A *Technology Demonstration*
SPECIMEN (S) COLLECTED	Blood
DATE REPORTED	8/13/2013
COMMENTS	Non-fasting; *Technology Demonstration*

BASIC METABOLIC PANEL AND HEPATIC MARKERS

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
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BUN			mg/dL
Calcium			mg/dL
Carbon Dioxide			mEq/L
Chloride			mEq/L
Creatinine			mg/dL
Glucose			mg/dL
Potassium			mEq/L
Sodium			mmol/L

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value
**Reference range is for non-fasting; results fluctuate across the range based on fasting state

LIPID PANEL

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Triglycerides			mg/dL
HDL Cholesterol			mg/dL
LDL Cholesterol (calc)			mg/dL
Total Cholesterol			mg/dL
VLDL Cholesterol			mg/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

COMPLETE BLOOD COUNT

TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
Basophil Count			10e3/uL
Eosinophil Count			10e3/uL
Lymphocyte Count			10e3/uL
Monocyte Count			10e3/uL
Neutrophil Count			10e3/uL
Platelet Count			10e3/uL
RBC Count			10e6/uL
WBC Count			10e3/uL
Basophil, %			%
Eosinophil, %			%
Lymphocyte, %			%
Monocyte, %			%
Neutrophil, %			%
Total Hb			g/dL

Key: L = Slightly Below Reference Range, H = Slightly Above Reference Range, WNL = Within Normal Limits, * = Critical Value

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TEST NAME	PATIENT'S RESULTS	REF. RANGE	UNITS
TPO			IU/mL
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Mark Lelinski

Patient ID No. 987654321

8/13/2013