

**To:** Andrew Kim[akim@theranos.com]; Aurelie Soupe[asoupe@theranos.com]; Darren Crandall[dcrandall@theranos.com]; Emma Liu[eliu@theranos.com]; Erika Cheung[echeung@theranos.com]; Jamie Liu[jliu@theranos.com]; Michelle Johnson[mjohnson@theranos.com]; Nahal Gharaati[ngharaati@theranos.com]; Nili Naik[nnaik@theranos.com]; Ran Hu[rhu@theranos.com]; Romina Riener[rriener@theranos.com]; Salina Abusali[sabusali@theranos.com]; Samantha Zamora[szamora@theranos.com]; Sebastian Guelman[sguelman@theranos.com]; Tiffany Zhou[tzhou@theranos.com]; Uyen Do[udo@theranos.com]  
**From:** Sharada Sivaraman  
**Sent:** Wed 2/26/2014 12:01:42 AM  
**Importance:** Normal  
**Subject:** FW: 3.5 Readers  
**Received:** Wed 2/26/2014 12:01:46 AM

FYI

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**From:** Alphonso Nguyen  
**Sent:** Tuesday, February 25, 2014 3:59 PM  
**To:** Samartha Anekal; Sharada Sivaraman  
**Cc:** Ran Hu  
**Subject:** RE: 3.5 Readers

The outliers list can be found in the following link:

S:\Data Transfer\Daily QC\_SIV\Output\20131209

Thanks,

Alphonso

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**From:** Samartha Anekal  
**Sent:** Tuesday, February 25, 2014 3:56 PM  
**To:** Sharada Sivaraman; Alphonso Nguyen  
**Cc:** Ran Hu  
**Subject:** RE: 3.5 Readers

Sharada, most of the time, a bad run requires subsequent actions, which can take time. This doesn't mean that a device is permanently bad, but that we haven't confirmed that it's a non-device issue. The devices to be avoided are always listed in the outliers data file from analysis.

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**From:** Sharada Sivaraman  
**Sent:** Tuesday, February 25, 2014 3:54 PM  
**To:** Samartha Anekal; Alphonso Nguyen  
**Cc:** Ran Hu  
**Subject:** FW: 3.5 Readers

Hi Alphonso and Sam,

Confidential

THPFM0001365352

I wanted to find out more about the 3.5 readers mentioned in this email. If there are readers that fail your bi weekly QC we need to know via email to the entire team that those readers need to be avoided.

We only found this out after Sebastian spoke to Alphonso and had run a mini precision exercise on these readers he is troubleshooting high CVs for his assay.

Please clarify if these readers are not to be used so I can share with the team,

Thanks,

Sharada

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**From:** Sebastian Guelman  
**Sent:** Tuesday, February 25, 2014 11:33 AM  
**To:** Sharada Sivaraman  
**Subject:** FW: 3.5 Readers

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**From:** Alphonso Nguyen  
**Sent:** Tuesday, February 25, 2014 10:50 AM  
**To:** Sebastian Guelman  
**Subject:** 3.5 Readers

Hi,

The bad 3.0 readers include: 41, 182, 115, 95, 104, and 53.

The 3.5 readers to avoid this week include:

- E000274
- E000302
- E000063
- E000241
- E000046
- E000337
- E000199
- E000170
- E000086
- E000135
- E000189

Thanks,

Alphonso

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THPFM0001365353

