

To: Ran Hu[rhu@theranos.com]
From: Erika Cheung
Sent: Wed 12/11/2013 7:24:54 AM
Importance: Normal
Subject: RE: QCs failing with updated Range
Received: Wed 12/11/2013 7:24:54 AM

Hi Ran,

There is no patient sample tonight, so we are okay for now. There is someone scheduled to have a Vitamin D test tomorrow, but that may be for CLIA not us. I'll try to come a bit earlier to work with you on this.

Thanks,

Erika

From:Ran Hu
Sent: Tuesday, December 10, 2013 10:14 PM
To: Erika Cheung
Cc: Sharada Sivaraman
Subject: RE: QCs failing with updated Range

Hi Erika,

Do you have any patient sample tonight? If yes, please re-run level-2 first.

By looking at the new range, the corrected value of level 2 did fail. I checked the file but haven't figured out how the formula works. If you don't have sample today, we may work on the file together tomorrow.

Thanks,

Ran

From:Erika Cheung
Sent: Tuesday, December 10, 2013 9:51 PM
To: Ran Hu
Cc: Sharada Sivaraman
Subject: QCs failing with updated Range

Hi Ran,

I received the new range from Sarah with the bias correction, but the QCs are still failing. It could be an issue of me inserting the information into the spreadsheet the wrong way. I attached my test file that I've been using to update the dexter and QC information. I figured it was best to consult you first to figure out what is going on.

Here is the new reference range that Sarah sent me:

	Mean	1 SD	2 SD	Low	High
Level 1	11.78	4.622866	9.245731	2.53	21.02
Level 2	44.264	4.790625	9.58125	34.683	53.845

Thanks,

Erika

