

From: Hartman, Jelena@Waterboards
To: ["Rachel West"; Melissa Turner](#)
Cc: [Lindsay Nelson](#)
Subject: RE: E.coli
Date: Tuesday, September 18, 2012 11:10:00 AM

Hi, Rachel-

Thanks for staying on top of the *E. coli* issue.

The information Melissa included in the 5 September 2012 message explained all questions that were outstanding after our meeting to discuss the report review comments. When the ESJWQC QAPP is revised to include the updated SOP, it looks like the issue of the positive/negative controls will be addressed.

Further explanation of the *E. coli* QC procedures in the Precision and Accuracy section can be added in the 2013 AMR, but would not be required. Once updates to the QAPP are approved, Caltest data reports will be sufficient to meet the requirements.

Please email or call with any questions.

Jelena

From: Rachel West [mailto:rwest@mlj-llc.com]
Sent: Tuesday, September 18, 2012 10:44 AM
To: Melissa Turner
Cc: Hartman, Jelena@Waterboards; Lindsay Nelson
Subject: Re: E.coli

Hello Jelena,

I wanted to follow up with you about this *E. coli* email. Does the information included in this last email help to clarify any outstanding questions or concerns you had where *E. coli* is concerned? When we update our QAPP we will include the updated SOP along with other minor edits mentioned in the previous email. Do you think it is necessary to include further explanation of the *E. coli* QC procedures in the Precision and Accuracy section of our upcoming AMR 2013, or will the Caltest Level III data reports and the explanation provided in this last email be sufficient?

Thank you,
Rachel

On Wed, Sep 5, 2012 at 2:01 PM, Melissa Turner <mturner@mlj-llc.com> wrote:
Jelena,

To follow up to our discussions regarding the QC performed with the Caltest *E. coli* analysis, I wanted to summarize what Caltest has been doing and what they have begun doing since August 2012.

Prior to August 2012:

On a batch basis:

Blk – lab blank

+/+ positive control for *E. coli* on an inoculated sample

+/- negative control for *E. coli* on an inoculated sample

With every new media lot:

-/- negative control for a non-coliform culture

Another issue we discussed were the positive/negative gram controls that were referenced in the SOP attached to the ESJWQC QAPP. Turns out that the SOP was outdated and may have incorrectly referenced QC procedures for Enterococcus by Enterolert. Caltest has a more recent SOP for SM 9223B dated August 2011 that does not have this reference; we plan to update our QAPP in October with some minor revisions and will include the updated SOP.

Also, Caltest pointed out that the SM 9223B only requires the +/-, ++ and -/- for new media lots purchased (about 3-4 times a year in Caltest's case). They have been performing these QC procedures on a lab batch basis EXCEPT for the negative, non-coliform control (-/-) which has only been done on new media lots.

As of August 2012, Caltest has increased their level of QC to the following:

On a batch basis and new media lot basis:

Blk – Sterility blank (non-inoculated)

+/+ positive control (inoculated w/ E. coli culture)

+/- positive control (inoculated w/ Total Coliform culture)

-/- negative control (inoculated w/ non-Coliform culture)

I've attached a bench sheet from August as an example of their recording of their QC results.

Please let me know if you have any additional questions.

Melissa

Melissa Turner

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