TRAINING UPDATE

Lab Location:	FWMC	**Date Distributed:**	5/18/23
Department:	Core Lab	**Due Date:**	6/30/23

DESCRIPTION OF RE- TRAINING

Name of procedure:

Title: Data Innovations Instrument Manager (AHC. L49)

This is not an SOP update. This is a re-training

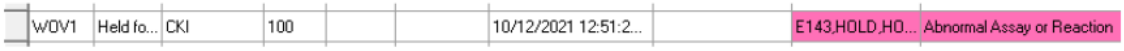
Description of change(s):

This MTS is in response to a CAP Survey failure on C-A 2023 for Ammonia. We reported a result that had been flagged with an Abnormal Assay error.

1. **Review the SOP, AHC.L49 on Media Lab.** The section below, on page 13 in the SOP, gives an example of an error flag for "Abnormal Assay"

Example 8
Review of results with E143 or Abnormal Assay error
For this example, the CKI has the E143 error (Abrnomal Assay)

1. DI will display E143 (Abnormal Assay) error whenever the instrument encounters a mixing error during testing.
2. Rerun the test with E143 error on a different instrument if possible
3. Once the rerun test is done, select which result to release and reject the other. Do not release both results from Instrument 1 and Instrument 2 to Sunquest.



2. **From the Ammonia SOP: FWMC.C11**

10.5 Review Patient Data

Technologist must review each result with error messages. Refer to the Dimension EXL® system manual "Error messages" section for troubleshooting. Check for unusual patterns, trends, or distributions in patient results (such as an unusually high percentage of abnormal results). Resolve any problems noted before issuing patient reports.

Document your compliance with this training update by taking the quiz in the MTS system.

Understanding Test Report Messages

Abnormal Assay (abnl assay)

Explanation:

For photometric methods, the Abnormal Assay message indicates that the expected absorbance was not met for a specific cuvette. For chemiluminescent (LOCI) methods, the Abnormal assay message indicates that expected K counts were not met for a specific LOCI test.

What to Do:

This result cannot be reported. Rerun the sample. If the same message appears:

1. Run a QC sample for that assay.
   a. If the error does not reoccur for this QC sample, contact the Customer Care Center - Technical Solution: Inside U.S.: 1-800-441-9250; Outside U.S. Refer to the local support team.
   b. If the error reoccurs, remove and confirm the removal of the Flex reagent cartridge for the assay. Then add that same reagent cartridge back into the instrument. If the instrument will not accept it, obtain and add a new Flex reagent cartridge.
2. Rerun the sample. If the message reoccurs, contact the Customer Center - Technical Support: Inside U.S.: 1-800-441-9250; Outside U.S. Refer to the local support team.

Abnormal Reaction (abnl reaction)

Explanation:

For non-HM assays:
An abnormal condition (foaming, air bubbles, or turbidity) occurred in the reaction mixture in the cuvette.

For HM assays:
Absorbance readings are taken to ensure that the reaction is completely transferred from the HM module to the cuvette and that there is no system contamination of reagents.

For LOCI assays:
A sample produced a signal significantly lower than the lowest calibrator (on an inverse curve such as the FT4L assay, this indicates a signal lower than the highest calibrator). The flag means that there is a chance that the sample either has an interferrent, the reaction did not receive the required reagents or the patient sample is actually recovering far below normal samples.