

AUDIT® MicroCV™ Calibration Verification/Linearity System

Trouble Shooting Guide

AUDIT® MicroControls™ recommends the following checklist if your initial calibration verification fails for any specific analyte or analytes:

1. Quality Control Material

- ✎ Are there patterns among controls (e.g. all are below the mean, all are above the mean)?
 - ✎ Are there any noticeable trends or shift over time?
 - ✎ How is the accuracy and precision?
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2. Acceptable Range

- ✎ Re-examine your laboratory's determination of the acceptable range for calibration verification material.
 - ✎ What is your laboratory's current range around the expected target value for that specific analyte in question?
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3. Reagent Changes

- ✎ Have there been any changes to your reagent?
 - ✎ New lot of reagent?
 - ✎ Different manufacturer?
 - ✎ New formulation of current reagent (check package insert)?
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4. Instrument Maintenance Logs

- ✎ Review daily, weekly, monthly, quarterly, semi-annual and annual logs for any deviations or changes.
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5. Environmental

- ✎ Has the instrument been moved recently?
 - ✎ Any changes to the environment of the instrument and its surroundings?
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6. Servicing

- ✎ Has the instrument been serviced recently?
 - ✎ Any software or hardware upgrades or changes?
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7. Operation

- ✎ Are there new instrument operators?
 - ✎ Any recent modification to the technique in how the assay is run?
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8. Comparative Method

- ✎ Is there another nearby laboratory that can also run the calibration verification material to compare results?
- ✎ If all the above has been performed, and there are still problems, re-calibrate the instrument.
- ✎ If the instrument still does not perform within laboratory control limits, call the instrument manufacturer for further troubleshooting.