

AU

Troubleshooting Tips



For Training Purposes Only

Information in the job aid is based on information found in the references below and is correct as of the date published. Verify you have the correct information.

References:

- AU480 Chemistry Analyzer User's Guide PN B28624AA (December 2013)
- AU680 Chemistry Analyzer User's Guide PN B04779AA (March 2011)
- AU5800 Chemistry Analyzer User's Guide PN A988352AB (October 2012)

AU480[®] / AU680[®] / AU5800[®] Chemistry Analyzers

WARNINGS AND PRECAUTIONS

Read all product manuals and consult with Beckman Coulter-trained personnel before attempting to operate the instrument.

Beckman Coulter, Inc. urges its customers and employees to comply with all national health and safety standards such as the use of barrier protection. This may include, but is not limited to, protective eyewear, gloves, suitable laboratory attire when operating or maintaining this or any other automated laboratory equipment.

INTENTION FOR USE

This document is not intended to replace the information in your User's Guide or Quick Response Guide. Information in the User's Guide and Quick Response Guide supersedes information in any other manual.

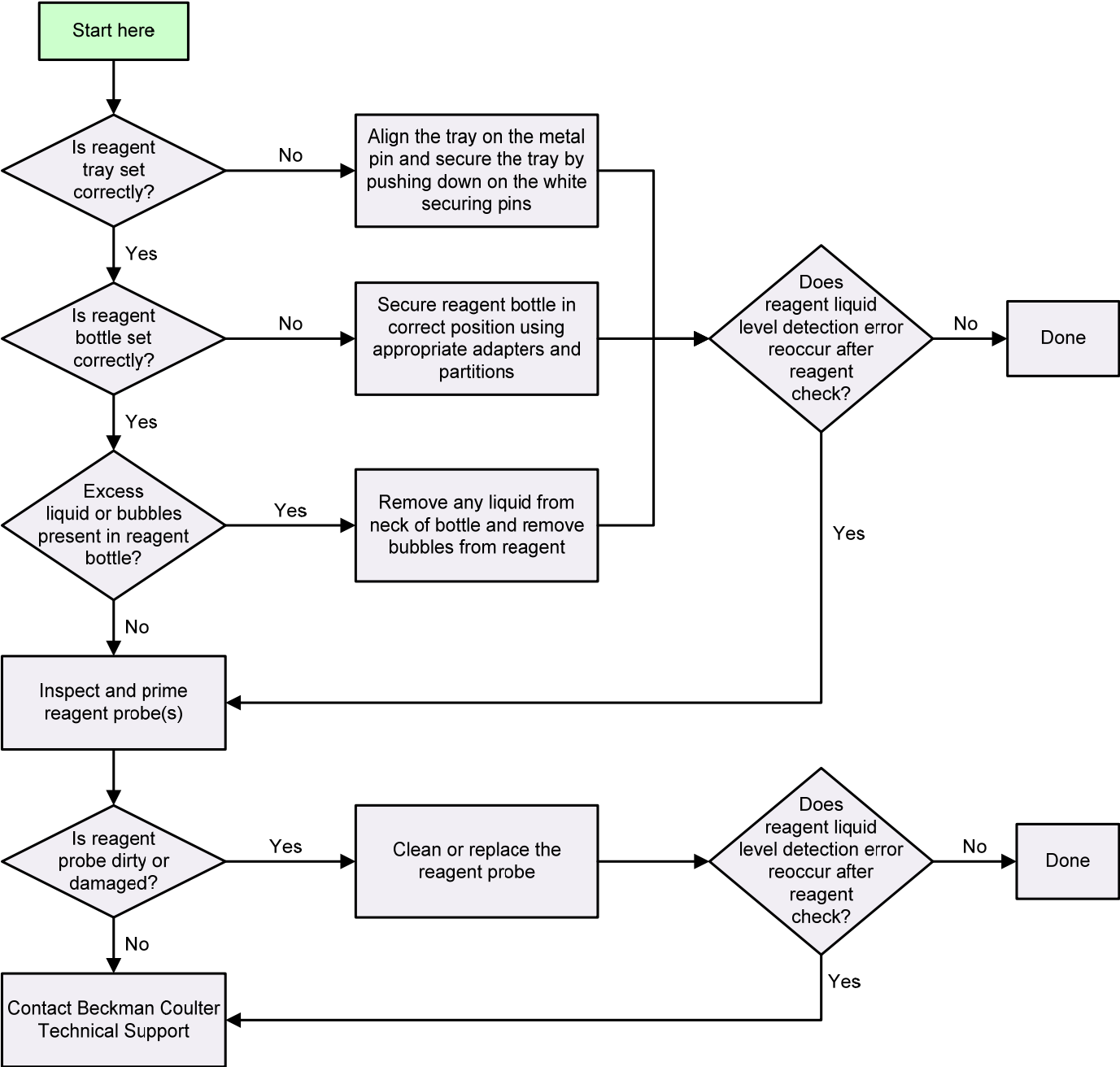
REVISION STATUS

Version 1.0 (August 2015)

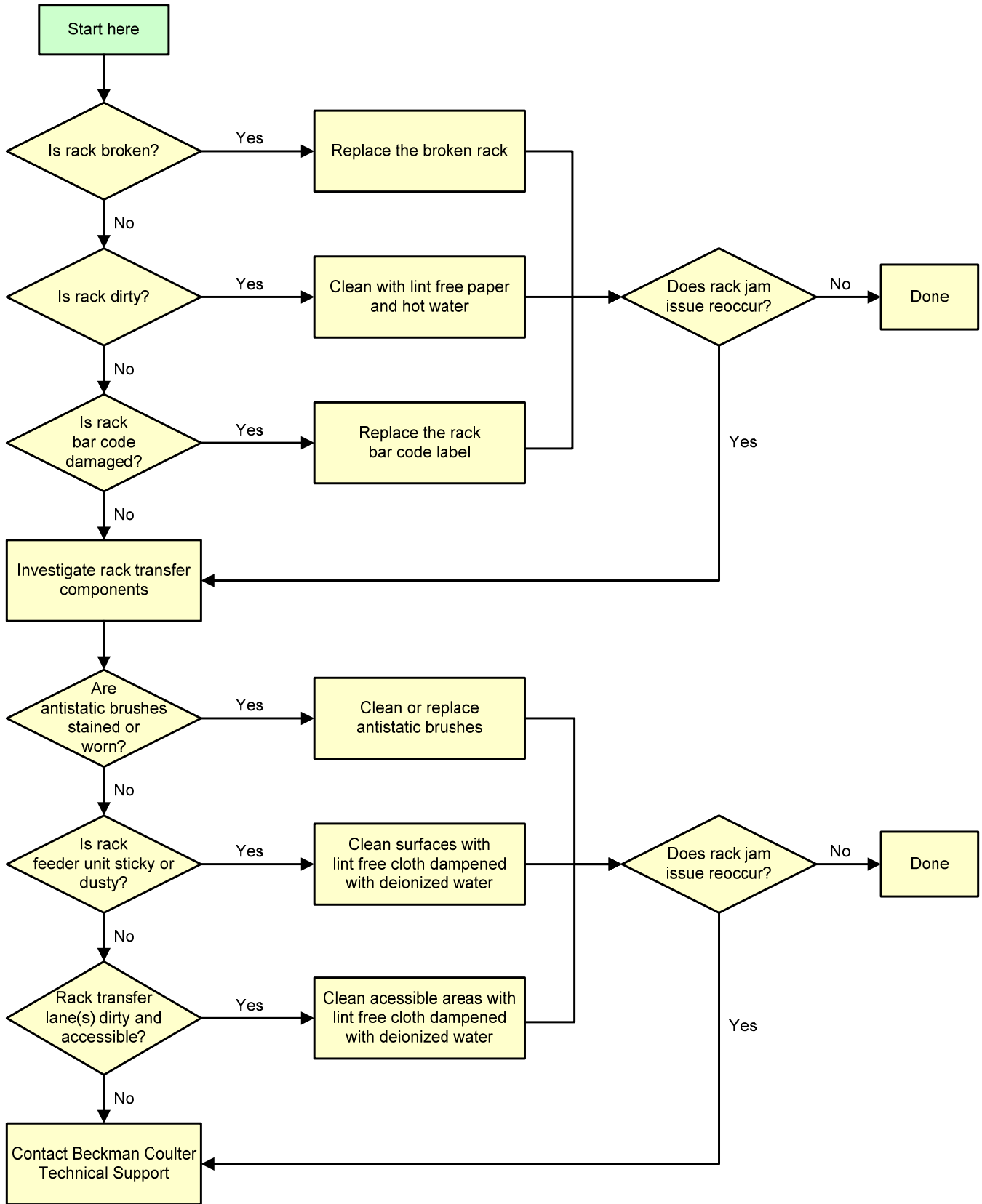
TRADEMARKS

AU480[®] Chemistry Analyzer
AU680[®] Chemistry Analyzer
AU5800[®] Chemistry Analyzer

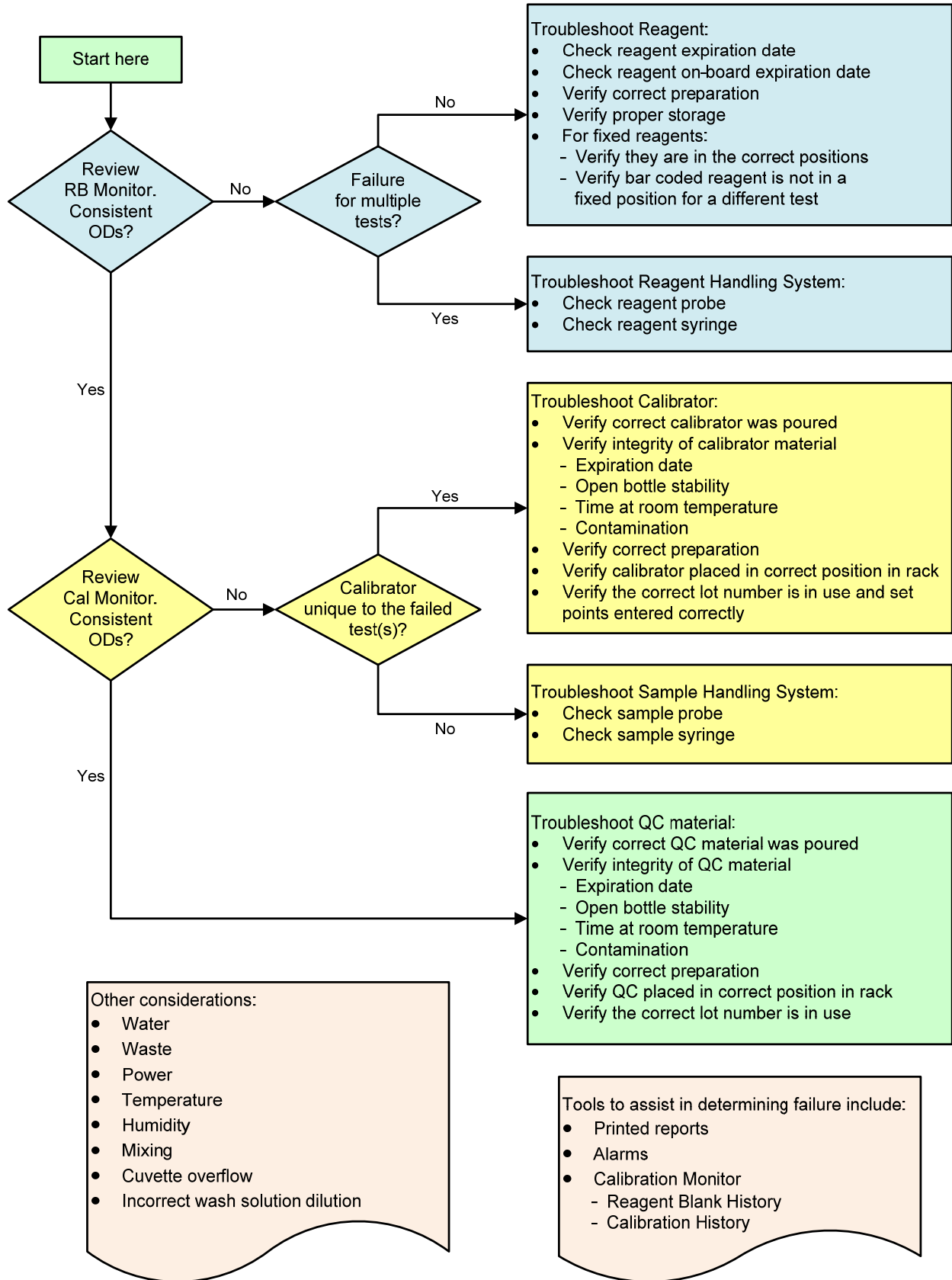
Reagent Liquid Level Detection Error Troubleshooting Tips



Rack Jam Troubleshooting Tips



Failed Reagent Blank (RB), Calibration (CAL), or Quality Control (QC) Troubleshooting Tips



ISE Calibration Failure Troubleshooting Tips

Check ISE Reagents

- Sufficient volume of reagents (Buffer, MID Standard, Reference)
- Verify MID Standard and Buffer are in the correct positions
- Expiration date
- Open bottle stability (90 days)
- Contamination (Never combine old and new reagents)

Check ISE Standards

- Verify sufficient volume of standard solutions in cups
- Verify ISE standards poured and placed in correct position
- Verify integrity of ISE standards
 - Expiration date
 - Open bottle stability (90 days)
 - Contamination

Prime Reagents (Buffer, MID/REF)

- Verify dispense of Buffer and MID Standard in sample pot
- Verify there are no bubbles in the tubing at the bottom of the flowcell during MID/REF Prime

Perform Scheduled and As-needed Maintenance

- Critical procedures:
 - ISE daily clean
 - Manually clean mix bar, liquid level sensor, sample pot, and sample pot tubing
 - Enhanced ISE cleaning (Manual)

Check ISE Components (replace if required)

- Roller pump tubing
- Pinch valve tubing
- Sample pot seated correctly and tubing not kinked
- Sample pot mix bar installed and operating properly
- Electrodes installed correctly:
 - Electrode stack aligned
 - Wires connected to correct electrode
 - O-rings present on each electrode and top of flowcell
- ISE Buffer syringe installed correctly without leaks and condensation
- REF electrode seated correctly and internal reference solution at correct level

NOTE: The REF electrode should only be replaced after performing all other troubleshooting options.