Radiometer ABL90 Fast Facts

St. Elizabeth HEALTHCARE
Laboratory Services

Consumables

	Sensor Cassette	Solution Pack
Storage Temperature	Refrigerated (2-8°C)	Room Temperature (2-25°C)
Stability	• 30 Days onboard • Unopened: Manufacturer's expiration date.	• 30 Days onboard • Unopened: Manufacturer's expiration date.
Handling **Requirements**	• Follow onboard video guidance to replace. • Conditioning can take up to 4 hours after powering down and powering up.	• Follow onboard video guidance to replace. • Pull out red pin and using palms of both hands snap into place.
Supplies		
Extra Capillary tubes	Found by the POCT Door on 5th floor	
Solution Pack, Sensor Cassette, paper	Stored in POCT Dept-After hours, please have security give you access to department	

• **Testing Procedural Notes**

- One level of QC is automatically run every 8 hours.
- Use Lithium heparin syringes for venous or arterial draws.
- Both syringes and capillary tubes must be mixed before testing.
- CSN numbers are the 10-digit numbers on the patient armband.
- Make sure panel and sample type are chosen correctly ex: mixed venous samples must be run as a mixed venous panel.
- If results have question marks, the results will not cross. Please recollect and repeat test.
- Sample type is the source of the blood (capillary, venous, arterial) and not the specimen container (ex: capillary tube, syringe)
- Clean analyzer as needed with appropriate commercial surface decontaminations that are approved by the HEIC.
- Check top left corner for Ready Mode before beginning a test.
- Make sure all parameter tabs are green. If red, check for the associated Calibration or QC error and correct.
- The traffic light in the Analyzer Status should be green. If yellow or red, click on traffic light to check for Calibration, QC or consumable error and correct if necessary.

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• Troubleshooting the Radiometer ABL90 FLEX

Error	Troubleshooting Steps
Clots or Fluidic errors	Follow the video guidance and use the ABL90 Flush Device
Replacing reagent pack or sensor due to error	Follow the video guidance (Analyzer status>Consumables>Replace> Select consumable to be replaced)
Result transmission error	Be sure to "Approve" or "Reject" result Also check Menu> My results and call up previously run results to "Accept" or Reject"
Frozen screen or Employee Badge will not scan	Reboot analyzer using the black "button" on the back of the analyzer (<u>DO NOT</u> use the switch)

Cause of error	Major affected parameters	Preventative measures
Air bubbles in sample	pO2	Remove air bubbles immediately after drawing specimen.
Hemolysis	cK+, cCa2+, cCl–, cNa+	Sampling device construction, narrow needle diameter cause hemolysis - choose a proper device for sampling. Avoid squeezing the tissue during sample collection into a capillary. Avoid mixing too vigorously.
Heparin interference	Electrolytes, especially cCa2+	Use electrolyte-balanced heparin.
Arterial blood mixed with venous blood	pO2, sO2	Use proper sampling technique.
Inappropriate amount of flush solution is discarded from the catheter	Electrolytes and metabolites	Discard sufficient volume from the catheter before taking a blood sample.
Infusion solution given in the same arm	Electrolytes and metabolites	Stop infusion for a period or use another sampling site.

- If basic troubleshooting fails, contact the POCT Office for additional assistance or contact Radiometer Technical Services at 1-800-736-0600.
- POCT Office:
  - Office Location: St Elizabeth Medical Center Edgewood:5th floor
  - Office Hours: Monday-Friday 0700-1700
  - POCT General Phone Line: 1POCT (17628)
  - Email: POCT@stelizabeth.com
  - Website: St Elizabeth Healthcare and Preferred Lab Partners (PLP) | Home (testmenu.com) (Point of Care section located under right menu)