

Radiometer ABL90 Fast Facts



Consumables

	Sensor Cassette	Solution Pack
Storage Temperature	Refrigerated (2-8°C)	Room Temperature (2-25°C)
Stability	<ul style="list-style-type: none"> 30 Days onboard Unopened: Manufacturer's expiration date. 	<ul style="list-style-type: none"> 30 Days onboard Unopened: Manufacturer's expiration date.
Handling Requirements	<ul style="list-style-type: none"> Follow onboard video guidance to replace. Conditioning can take up to 4 hours after powering down and powering up. 	<ul style="list-style-type: none"> 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 5 th 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.

• **Troubleshooting the Radiometer ABL90 FLEX**

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

Cause of error	Major affected parameters	Preventative measures
Air bubbles in sample	pO ₂	Remove air bubbles immediately after drawing specimen.
Hemolysis	cK ⁺ , cCa ²⁺ , 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 cCa ²⁺	Use electrolyte-balanced heparin.
Arterial blood mixed with venous blood	pO ₂ , sO ₂	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)