ABL90 Blood Gas

Patient Test Procedure – Syringe Sampling

Austin HEALTH | Pathology

Before Testing

Register the patient with a UR number before testing. If this is not possible, use the UR Number **999999999.**
If DOB is unknown, enter **01/01/1900. Complete a POCT Reconciliation Form.**
If an incorrect UR is entered, results may go to the wrong patient record. **Contact your supervising lab immediately**, complete a POCT Reconciliation form, and send it to poc@austin.org.au



1

Check the analyser status is **READY.** If any parameters are highlighted red and are crossed, these results will not be reported.



2

The Logon icon will appear once you tap the screen. Scan/enter your ID.



3

Place the safePICO syringe in the sample mixer. When the light blinks, mixing is complete and you can remove the syringe.



4

Select the syringe icon. The inlet probe will move into position for syringe sampling.



5

Hold the syringe by the barrel and press the safeTIPCAP firmly against the inlet gasket, pushing fully forward. The inlet probe will extend and automatically aspirate blood. When prompted, remove the syringe. The Patient Identification screen will appear.



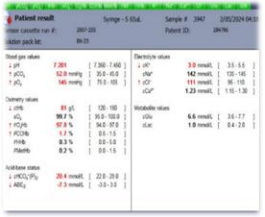
6

Enter the Patient UR number in the Patient ID to trigger an ADT query and autofill details. Confirm details, select Sample Type, and enter Temperature and $FO_2(I)$.



7

Results will display and print when testing is complete. They will transfer to the EMR. Notify the clinician of any critical or significant results.



NOTE

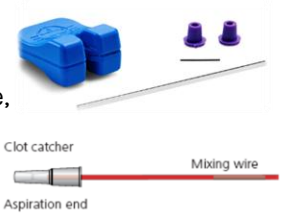
If you are NOT using a safePICO syringe, you will need to manually mix the syringe, remove the cap before sampling and select syringe S (65µL, short probe mode).

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Patient Test Procedure – Capillary Collection and Sampling

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1 Collection and testing of capillary sample requires heparin capillary tube, mixing wire, two end caps and clot catcher and a mixing magnet if available.



2 Insert the mixing wire into capillary tube and loosely cap end. Perform skin prick, discard first drop, then fill tube completely. Keep the tube level or slightly upward to avoid air bubbles.



3 Firmly press the end cap, then apply the other cap. Mix by moving the mixing magnet along the full length of the tube 20 times, or by gently inverting 20 times if no magnet is available.



4 When the analyser status is ready, tap the screen for the Logon icon to appear. Scan/enter your ID.



5 Select the capillary icon. The inlet probe will move into position for capillary sampling.



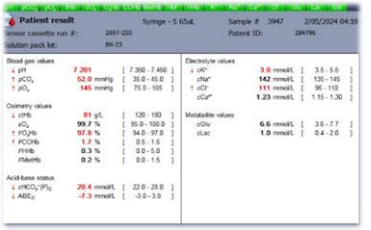
6 Keep capillary tube horizontal and remove both end caps. Apply the clot catcher firmly to one end, ensuring the mixing flea is at the opposite end. Hold by the clot catcher for control and push tube onto inlet probe. Keep in place while sample is aspirated.



7 Enter the Patient UR number in the Patient ID to trigger an ADT query and autofill details. Confirm details, select sample type as capillary and enter Temperature and FO_2(I).



8 Results will display and print when testing is complete. They will transfer to the EMR. Notify the clinician of any critical or significant results.



Safety

1. This procedure involves the handling of human biological specimens.
2. Staff must adhere to relevant safety protocol including the wearing of appropriate personal protective equipment

References

SOP-POC-001 – Operating Radiometer ABL90 Flex Plus
MGM-POC-001 – Radiometer ABL90 Flex Plus Instructions for Use
MGM-BIOC-88 – ABL90 Flex Plus Blood Gas Sampling with a safePICO Sampler – Short Form Instructions
https://www.radiometer.com.au/en-au/myradiometer