ABL800 Series Point of care analyser

Analysis of RCPA - AACB Quality Assurance Program

Aqueous sample

Material requirements for test

1. **Aqueous sample**: (**blood gas, electrolyte, and metabolite determinations**)
2. **Q barcode** (Label attached to Aqueous sample)

Pre analysis requirements

Sample treatment

Mandatory requirements

1. Remove aqueous sample from the refrigerator at least **four hours** prior to sampling. Allow to equilibrate at room temperature.
2. Shake the aqueous ampoule vigorously for 20 seconds. Tap the top until all the solution collects in the bottom of the ampoule. Bubbles should remain on the liquid as a protective interface from air contamination.

Procedure

Analysis of Aqueous QA sample

1. Log on to analyser
2. Lift the inlet flap to initiate processing QA sample, select “Syringe S 250UL” and start
3. Place QA sample at the inlet and wait for the inlet probe to aspirate sample for testing.
4. During sample aspiration scan Q barcode for Aqueous sample in “PATIENT ID” field only,
5. Remove and discard when prompted by analyser.

ABL800 Series Point of care analyser

Analysis of RCPA - AACB Quality Assurance Program Samples

Lyophilised sample

Material requirements for test

A. **Lyophilised sample** :(***co-oximetry parameters***.)
   - **Deionised water**:(0.5ml) For lyophilised co-oximetry sample reconstitutiuon
   - **Pipette** :For lyophilised co-oximetry sample reconstitutiuon

B. **Q barcode** (Label attached to lyophilized sample)

Pre analysis requirements

A. Pre analysis sample treatment

Mandatory requirements

1. Remove lyophilised samples from the refrigerator at least **four hours** prior to sampling. Allow to equilibrate at room temperature.
2. Reconstitute the lyophilised co-oximetry sample with 0.5 mL of deionised water using a pipette.
3. Swirl gently for 30 seconds. Allow vial to stand for 5 minutes.
4. Repeat step 3 until the solution is uniform.

NOTE: Analysis of the co-oximetry sample should take place within 15 minutes after reconstitution.

B. Pre analysis analyser configuration

1. Log on to analyser and select from the menu:
   i. Status/Control → Utilities → Setup → General Setup → Parameters and Input → Parameters
   ii. Highlight ctHb
   iii. Select Edit
   iv. Touch ✓ to remove from box
   v. Select Back
2. The Repression setup will read **"No"** for **ctHb**
3. Repeat steps i to v for **FHHb, FO_2Hb, sO_2, FCoHb, FMetHb**
4. Check that Repression is set to **"No"** for these parameters.

Procedure

Analysis of Lyophilised sample

1. Log on to analyser
2. Lift the inlet flap to initiate processing QA sample, select "Syringe S 250UL" and start
3. Place QA sample at the inlet and wait for the inlet probe to aspirate sample for testing.
4. During sample aspiration scan Q barcode for Lyophilised sample in "PATIENT ID" field only
5. the When analysis of the co-oximetry samples is complete change the Repression setup from "**No"** to **"Yes"** by entering ✓ for each parameter. (Follow steps i-v for **FHHb, FO_2Hb, sO_2, FCoHb, FMetHb**)