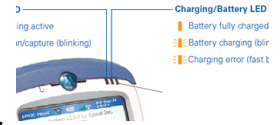


# USER GUIDELINE FOR SIEMENS ePOC BLOOD GAS ANALYSER

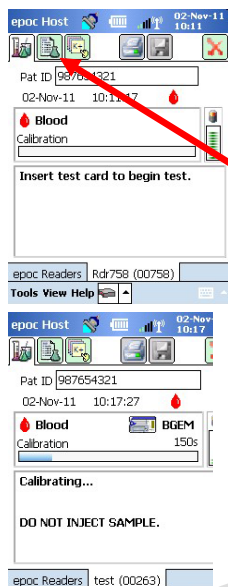
## Running a Blood Gas

### STORAGE

- Test cards - Store upright at room temperature (15-30°C) until expiry date.
- Care-fill capillary tubes –Storage at 2°C to 30°C until expiry date.
- Host & Reader must be docked together for charging. Check orange indicator lights are on daily.
- Initial charge 8-12 hours. To be kept on appropriate charging unit in store room when not in use.

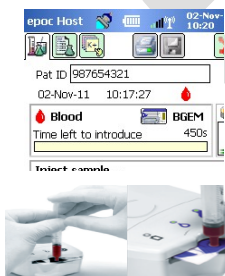


### CONFIGURATION AND CALIBRATION



- When switched on Host & Reader will always perform 15 second QC test when they first connect. DO NOT insert test card at this stage.
- Input user ID and password into Host using barcode or keypad.
- Insert test card when Host prompts 'insert test card'.
- Click on the 2<sup>nd</sup> tab & enter patient ID (BCH or KIDSNTS case number) using barcode or keypad. Sample type MUST also be selected from the dropdown list.
- Open test card (do not touch sensor). NEVER PLACE TEST CARD ON ANY SURFACE.
- Place test card into slot, using both thumbs, smoothly & firmly push until resistance is felt. Reader will BLEEP to indicate acceptance of test card. If unable to read remove card and try again.
- Calibration takes 2mins 45 seconds.
- During calibration patient ID & sample type (if not already done so) can be entered, but NO SAMPLE ADDED UNTIL PROMPTED. (Sample will be analysed, but results will not be released if Patient ID and sample type not inputted.)
- You will have 7.5 mins following calibration to add sample. If a sample is not added during this time the card will need to be discarded and a new one calibrated.

### SAMPLE INTRODUCTION



- Blood samples can be from arterial, venous, umbilical cord or IO access.
- Add patient sample when "INJECT SAMPLE" message appears.
- Ensure at least 92µl sample size in syringe. A 1 ml syringe is recommended due to greater control of instillation of sample. Discard first 2 drops of sample.
- Hold syringe vertically between fingertips and thumbs.
- Using downward pressure, secure tip of syringe into sample port & rotate ¼ turn to create a good seal.
- Maintaining downward pressure, depress plunger gently until you hear a single bleep.

### TAKING BLOOD SAMPLE USING CARE-FILL CAPILLARY TUBE



- Hold capillary tube horizontally by blue band & point towards patient's puncture site to collect blood sample without bubbles.
- Continue filling until blood contacts the white 'frit' plug in tube.
- To fit the adaptor over the end of capillary tube, push tube into adaptor until secured.
- Hold capillary tube vertically between fingertips and thumbs.
- Using downward pressure, secure tip of capillary tube into sample port & rotate ¼ turn to create a good seal.
- Maintaining downward pressure, depress plunger gently until you hear a single bleep.

### SAMPLE ANALYSIS & OBTAINING RESULTS

- Reader will automatically analyse sample once correct amount is added. This takes approx. 35s. (Patient ID & additional details can be entered if not done previously).
- Results are available in 3 sub tabs:
  1. Gases
  2. Chemistry
  3. Metabolites.
- Once completed remove test card & discard in a clinical waste bin.

