

GEM PREMIER 5000  
Competency Problem Solving Quiz ED

Printed Employee Name: \_\_\_\_\_

Location: Emergency Department

1. True or False: It is NEVER acceptable to use anything but a blood gas syringe on the GEM. Users should never under any circumstance use green top, blue top, or purple top vacutainers. It causes inaccurate patient results and will damage the machine.
2. In preparing the syringe sample after collection from the patient, you should:
  - a) Mix the sample gently for 15-30 seconds immediately after collection by rolling between palms and gently rocking back and forth. Excel all air. Mix again gently at machine, right before analyzing.
  - b) Mix the sample vigorously after collection by shaking the syringe hard back and forth.
  - c) Do nothing. Mixing doesn't help prevent clots or protect the machine from breaking.
3. When running the syringe sample on the GEM, it's important to note where the probe should be placed to avoid errors on screen (like Sample Not Detected) and erroneous results. How do you position the probe?
  - a) At the bottom of the syringe, so it's touching the rubber stopper to ensure it's fully inserted into sample.
  - b) Centered in the syringe where it is only touching the blood sample for the entire time of aspiration.
  - c) On the side of the plastic syringe to ensure it won't suck up any clots.
  - d) At the top of the syringe so at the end of sampling it will suck air to clear out probe.
4. I inadvertently scanned in the wrong patient label and POCT Services is closed. What are the next steps?
  - a) Immediately notify provider of the patient impacted (wrong patient); call Hematology at x66215 with MRN and date/time of wrong patient ID so they can comment over wrong results and credit charge; email POCT Coordinator details of the issue and that hematology was notified.
  - b) Recollect the specimen from the correct patient, and re-test using positive patient ID protocol (2 patient identifiers present)
  - c) Submit a UO and notify the provider of the patient impacted (wrong patient).
  - d) Both a) and b)
5. When scanning the CSN barcode in the ACCOUNT field and no demographics display, I verified that I used the correct patient label, and it is not a scheduled Epic downtime. What do I do next?
  - a) No further action is required.
  - b) Enter the MRN in the PATIENT ID field and report the incident to POCT Coordinator.
6. If you run the wrong sample type (for example, results look arterial, but should have been venous), circle all the steps that you would do next:
  - a) Notify provider of the patient impacted (wrong sample type)
  - b) Notify POCT Coordinator the exact date, time, and GEM location the wrong sample type was run on. POCT cannot modify results in Epic, only comment over the wrong results and credit charge.
  - c) Determine with provider if a new order is needed for venous and redraw and retest sample on GEM.
7. After a cartridge is replaced, the typical length of warm up and cartridge QC can be up to:
  - a) 10 minutes
  - b) 60 minutes
  - c) 90 minutes

YOU MUST SCORE 100% TO PASS

SCORE

Employee Signature/Date

Trainer Signature/Date