

I-Stat 6-months Competency Test

Name: _____ Unit: _____ Date: _____

Operator ID: _____ Score: _____ (Passing=80%) Evaluator: _____

Multiple Choice

(There are more than one correct answers for some questions. 0.5 pt for each correct answer).

1. **During I-STAT testing, you are required to enter your operator ID which is the same as:**
 - a. Your LPCH or SHC ID badge #.
 - b. Your driver's license #.
2. **It is mandatory to enter patient's ID to identify the I-STAT sample being done. Patient ID is the same as:**
 - a. Contact Serial Number (CSN) of the patient (12 digits SHC or 9 digits LPCH)
 - b. Social Security number of the patient (10 digits)
3. **To delete erroneous blood gas results caused by clotting or contamination of blood sample, you should:**
 - a. Scroll to Field 2 and enter "8" to indicate that patient result should be deleted from the lab database.
 - b. Do nothing
 - c. Call POCT dept. at 4-8934 and give information of the patient's MRN and testing date/time to be deleted.
4. **Hematocrit value is used for "trending" purpose because:**
 - a. It is affected by patient's total protein value at the time of testing.
 - b. It is affected by hemodilution given to the patient.
 - c. Its accuracy must be confirmed by drawing a fresh sample to the Hematology at the Clinical Lab.
5. **In order to obtain accurate I-STAT testing, it is essential that the following techniques are used:**
 - a. Do not draw additional air into the syringe to generate more bubbles.
 - b. Dispense blood sample in a steady pressure up to the "Blue Arrow" point.
 - c. Testing should be performed promptly without delay.
6. **A result that is flagged with "<", ">" or "<>" means that:**
 - a. The test result is outside the cartridge's measurement range – test needs to be repeated with a fresh cartridge. The test result is transmitted to EPIC.
 - b. If repeat tests continue to give "< or >" results, the sample should be sent to the Clinical Lab for analysis.
7. **A result that is flagged with "****" means that:**
 - a. There might have interference to the particular test analytes that give "****" results. Test should be repeated with fresh cartridge. The test result is transmitted to EPIC.
 - b. Send fresh sample to Clinical Lab for analysis if repeat testing gives "****" results.
8. **The Proper ways to handle I-STAT cartridges are:**
 - a. Different cartridges have different expiration dates at room temperature storage.
 - b. The box or individual packet should be dated with room temperature expiration date when remove from refrigeration.
9. **I-STAT instrument should be disinfected, according to Infection Control Protocol:**
 - a. Between each patient use
 - b. Around midnight
 - c. Once a week
10. **External Electronic Simulator (or EQC) should be used if:**
 - a. The instrument has been dropped and needs to be checked
 - b. The screen displays "Simulator Run Required".
 - c. Troubleshooting is performed when a message "Analyzer Error" is displayed.

