

St. Joseph's/Candler Health System

i-STAT Training Quiz

Employee Name (Please Print) _____ Signature _____

Operator ID _____ Department _____ Date _____

General iSTAT Questions

1. To enable the scan function, the operator must:

- A. Press and hold the scan key.
- B. Hold the device so that the scan beam covers the entire width of the barcode.
- C. Read the screen to confirm that the correct barcode is presented for the prompt.
- D. Hold the device in a way that minimizes interference to the laser while scanning.
- E. All of the above.

2. Number the following steps (1-5) to correspond with the correct order in which they should be performed.

- _____ Insert the cartridge into the handheld device
- _____ Scan or enter the Operator ID and Patient ID, and scan the Cartridge Lot Number
- _____ Fill the cartridge with the patient specimen and close the cartridge
- _____ Mix the specimen and waste three drops of patient specimen
- _____ Review, respond to, and transmit results

3. True or False - It is correct best practice to use slow, steady, continuous application of the sample into the specimen well, avoiding splashing, until the sample reaches the fill mark.

4. True or False - If a cartridge was not filled or closed correctly, the cartridge can be removed and the issue corrected, and then the same cartridge can be re-inserted.

5. What is a common cause for the error message "Unable to Position Specimen"?

- A. Cartridge is not filled to the fill mark
- B. Cartridge is not closed properly
- C. Cartridge is filled beyond the fill mark
- D. None of the above

6. Once the cartridge is inserted the following conditions apply:

- A. The cartridge is locked and should not be removed until the test is completed.
- B. Removing the cartridge when it is locked can permanently damage the device.
- C. The handheld device should not be moved until the result is ready.
- D. All of the above

7. True or False - If the Internal Electronic Simulator fails, patient testing will be locked until the device passes an electronic quality control event.

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8. How long must cartridges be at room temperature prior to being used for patient testing?

- A. 10 minutes for the individual cartridge, 30 minutes for the full box
- B. 15 minutes for the individual cartridge, 30 minutes for the full box
- C. 5 minutes for the individual cartridge, 1 hour for the full box
- D. Until the cartridge feels warm to the touch

9. After running liquid control samples, to verify correct results:

- A. Results will reflect those of a normal patient
- B. The results will be the exact same as the previous QC result
- C. The handheld will display "PASS"
- D. If an electronic QC check has passed, so did the liquid QC

10. The purpose of the docking station is:

- A. To transmit completed test results
- B. To charge the battery
- C. To download new operators, value assignment sheets, and software updates
- D. All of the above

ACT Questions ☐ N/A

11. Circle the answer that best describes acceptable specimen condition(s) for ACT i-STAT testing:

- A. The blood tube should be filled per the manufacturer's fill mark
- B. Blood tubes should be gently but thoroughly inverted 10 times before testing.
- C. Syringes should be rolled for five seconds, inverted, and rolled for five more seconds before testing.
- D. Three drops of blood must be expelled as waste just prior to filling the cartridge
- E. All of the above

12. Which of the following is an acceptable collection device for an ACT sample?

- A. Green top (Lithium Heparin)
- B. Glass tube
- C. Plain plastic syringe
- D. Finger stick

13. ACT-K or ACT-C specimens must be drawn into a plain, non-heparinized syringe and must be tested how soon after collection? _____

14. Hemolysis may be caused by:

- A. Using a small gauge needle/small gauge butterfly to draw the sample
- B. Puncturing a small vein and/or using pressure to quickly pull the sample
- C. A traumatic stick that requires "fishing" for a vein
- D. Not allowing the alcohol to dry on the skin before performing a venipuncture or arterial stick
- E. Not releasing a tourniquet after no more than one minute of application
- F. All of the above

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CG8+ Questions ☐N/A

15. Circle the answer that best describes acceptable specimen condition(s) for CG8+ i-STAT testing:

- A. A sample volume of approximately 95 μ L.
- B. Samples without anticoagulant must be tested within 3 minutes of collection.
- C. Samples drawn in a pre-heparinized syringe must be tested within 10 minutes of collection.
- D. All of the above

16. CG8+ specimens must be drawn into a plain, non-heparinized syringe and must be tested how soon after collection? _____

Creatinine Questions ☐N/A

17. Circle the answer that best describes acceptable specimen condition(s) for Creatinine i-STAT testing:

- A. A sample volume of approximately 95 μ L.
- B. Samples collected in a green top (lithium heparin) at least half full
- C. Samples that have been inverted and mixed properly
- D. All of the above

18. Creatinine specimens must be drawn into a green top (lithium heparin) tube and must be tested how soon after collection? _____

***To be completed by trainer/POC Representative**

POC Representative _____

Score ____ of ____ / ____ %