SMC Satellite Lab

ISTAT Competency

Name: \_ Unit: \_

Date: \_

Indicate true or false in response to the following statements:

1. Cartridges that are removed from their pouch can be saved and used for

future testing. T F

2. Cartridges can be returned to the refrigerator once they are at room

Temperature. T F

3. If results are flagged"\*\*\*", a specimen should be redrawn and

repeated on the I-STAT. T F

4. A lavender stoppered tube is not an acceptable specimen for use

with the I-STAT. T F

5. When blood is collected in a green stoppered tube, the tube must be filled

T F N/A

6. What quality control mechanism step(s) are in place to assure the I-STAT test system is functioning accurately?

a) Cartridge storage refrigerator is monitored daily

b) An internal, electronic check is performed on the I-STAT every 8 hours.

c) Test Cartridges are checked with liquid quality control solutions monthly. d) Test Cartridges are checked with liquid quality control solutions when received.

e) All of the above

7. Where can one find information on the room temperature expiration date for any I STAT cartridge?

8. When"<" or">" appears on the display, what does this mean?

a) Either more or less blood is needed for the test.

b) The cartridge is either under filled or overfilled.

c) The result is outside of the range the i-STAT can detect

d) The cartridge is too cold.

9. How long must a cartridge be at room temperature before it is used?

10. What is entered into the I-STAT as the patient ID? \_

11. What should be done if the I-STAT is dropped?

a. Contact the point of care Coordinator for direction.

b. Run the external simulator to see if it is working.

c. Proceed with use, the i-STAT is very durable.

d. A andB

e) All of the above

12. When using the CG4 Cartridge for Lactate or the cACT cartridge, the test must be run:

a. Within 10 minutes of collection

b. Within 30 minutes of collection c. Immediately

d. It doesn't matter as long as it is done within the same day.

13. Which factors can cause an erroneous i-STAT result (circle all that apply)

a. Air bubbles in the sample syringe

b. Delay in testing the sample

c. Loading a cartridge without mixing the san1ple

d. Using a room temperature cartridge within its expiration date

e. Using two methods to identifY the patient

f. Performing a test using an unlabeled specimen container