The Johns Hopkins Medical Institutions
The Johns Hopkins Hospital Point-of-Care Testing Program
Hemoglobin A1c Testing (Afinion™ AS100 Analyzer)
Test for Operators

Name: ________________________________ Employee ID #: ________________
Date: ________________ Site: ________________ Department: ________________

True or False

_____ 1. The Afinion™ HbA1c Test Cartridges can be stored at room temperature (15°-25°C) for 90 days.

_____ 2. Once opened, Control vials are stable for 1 week when stored refrigerated at 2°-8°C.

_____ 3. Once the capillary is filled, analysis of the Test Cartridge must start within 1 minute.

_____ 4. The Test Cartridge should be used within 10 minutes after opening.

_____ 5. The Afinion™ HbA1c Analyzer can be placed on the same counter as a centrifuge or anything else that vibrates.

_____ 6. The “Opened Date” and the new 60-day Expiration Date is recorded on the Control vials when first opened.

_____ 7. Always remove and handle the Test Cartridge by the handle after opening foil pouch.

_____ 8. The control results must be within acceptable limits before performing any patient testing.

_____ 9. Do not use Test Cartridges that have been accidently dropped on the floor or lab bench after specimen collection.

_____ 10. The Patient’s birth date is entered into the Analyzer as the Patient ID during processing.

_____ 11. The Meter ID number is not required to be recorded with the patient’s results in the patient’s medical record.

_____ 12. Cleaning the exterior of the Analyzer should be performed whenever there is a spill.

_____ 13. The two recommended disinfectants to use are CaviWipes and 70% alcohol.

_____ 14. The Cartridge Chamber should be cleaned every 30 days for regular maintenance and documented on the Hemoglobin A1c QC Log Sheet.

_____ 15. The Cartridge Chamber should be cleaned immediately if materials or liquids are spilled in the Cartridge Chamber.
16. Afinion™ HbA1c Controls are run:
   a. Once every 24 hours of patient testing.
   b. Minimally once a week for areas of low frequency of testing.
   c. With each new shipment of Afinion™ HbA1c test kits.
   d. With each new lot number of Afinion™ HbA1c test kits.
   e. Anytime an unexpected test result is obtained.

17. When a HbA1c Test Kit is removed from the refrigerator:
   a. A yellow-green fluorescent “Room Temperature Dating” Label is affixed to the Test Kit box.
   b. The date the Test Kit was brought to room temperature is recorded on the Label.
   c. The manufacturer’s expiration date is recorded on the Label.
   d. The Test Cartridges are immediately ready to use from the refrigerator.

18. If the HbA1c Controls fail to give the expected results:
   a. Ensure Test Cartridges and Controls have not expired.
   b. Ensure Controls have not been in use for more than 60 days.
   c. Ensure Test Cartridges and Controls were stored properly.
   d. Check Control vials for evidence of bacterial or fungal contamination.
   e. Repeat test.
   f. Document all steps taken in the Comment Section of the HbA1c QC Log Sheet.

19. Which one of the following is NOT a limitation of the Afinion™ HbA1c Test Kit?
   a. Strep throat.
   b. Diluted samples.
   c. Hemolyzed samples.
   d. Coagulated (clotted) samples.
   e. Cold Test Cartridges.

20. The acceptable hemoglobin range for the Afinion™ Analyzer HbA1c Test Kit is __________ g/dL to __________ g/dL.

21. The Afinion™ Analyzer reads %A1c results between ________ % and ________ %.

22. When the failsafe mechanisms of the Analyzer detect a problem, the Analyzer terminates the test and displays ________________.