

**University of Colorado Hospital – Clinical Laboratory
Point of Care Testing Program
DCA Vantage Hemoglobin A1c Competency Test**

Name: _____ Unit: _____ Operator ID: _____ Date: _____

Operator must obtain a score of at least 80%.

Score _____

True/False

- | | |
|---|---|
| <p>_____ 1. Standard Precautions must be used when collecting blood samples.</p> <p>_____ 2. When collecting samples, it is necessary to check two patient identifiers before performing the test.</p> <p>_____ 3. Blood collected by fingerstick may remain in the glass capillary (within the plastic capillary holder) for 15 minutes and still be acceptable for analysis.</p> <p>_____ 4. DCA Vantage Hemoglobin A1c reagent cartridges are stable until the expiration date when stored at 2° - 8° C.</p> <p>_____ 5. It is acceptable to use an unreconstituted DCA Vantage Hemoglobin A1c control that has moisture present in the vial.</p> <p>_____ 6. Reconstituted DCA Vantage Hemoglobin A1c controls can be stored frozen.</p> <p>_____ 7. The reconstituted DCA Vantage Hemoglobin A1c controls can be stored in the refrigerator indefinitely.</p> <p>_____ 8. It is acceptable to assay and report patient results if the reconstituted DCA Vantage Hemoglobin A1c liquid controls are not in the acceptable control ranges.</p> | <p>_____ 9. DCA Vantage Hemoglobin A1c controls are prepared as a stabilized hemolysate from human blood.</p> <p>_____ 10. When drawing a capillary sample, hold the capillary holder at an angle and touch only the tip of the glass capillary to a small drop of blood on the finger.</p> <p>_____ 11. The DCA Vantage Hemoglobin A1c monitors the long-term blood glucose level of persons with diabetes.</p> <p>_____ 12. When an operator swipes a calibration card, the barcode reader reads the card and the system automatically performs the calibration.</p> <p>_____ 13. If an internal electronic QC does not pass, patient results cannot be reported.</p> <p>_____ 14. Before using a new lot of reagent cartridges, it is not necessary to scan the calibration card into the analyzer.</p> <p>_____ 15. DCA Vantage Hemoglobin A1c results are reported as %.</p> |
|---|---|

Multiple Choice

- | | |
|--|--|
| <p>16. If the Hgb A1c result obtained on the DCA Vantage instrument is questionable or if clinical signs and symptoms appear inconsistent with the result</p> <ul style="list-style-type: none">a. report the result.b. call technical support.c. reassay and/or confirm the result by sending a sample to the Clinical Laboratory.d. none of the above. <p>17. Two levels of liquid DCA Vantage Hgb A1c controls are run</p> <ul style="list-style-type: none">a. each time the instrument is used for patients.b. once a month.c. with each new shipment & new lot of reagent cartridges, monthly for reagents that have been stored for more than 30 days, each time a calibration card is scanned, and when results don't match the patient's clinical condition or symptoms.d. once a year. <p>18. Reconstituted DCA Vantage Hemoglobin A1c controls</p> <ul style="list-style-type: none">a. are stable for 1 year when stored refrigerated.b. are stable for 3 months when stored refrigerated.c. are stored refrigerated, in an upright position and tightly capped.d. b, c | <p>19. If the DCA Vantage Hgb A1c patient result is preceded by a greater than sign (>),</p> <ul style="list-style-type: none">a. repeat the test.b. report the result as being greater than 14 %.c. report the result as being 14 %.d. calculate the correct result and report. <p>20. Proper infection control criteria include</p> <ul style="list-style-type: none">a. discarding empty vials of controls in an appropriate waste container according to UCH policy.b. utilizing Standard Precautions when collecting specimens.c. disinfecting with 10% bleach solution where a large patient sample spill has occurred.d. all of the above.e. none of the above. |
|--|--|