**Competency Statement for all staff using the Abbott Afinion 2 analyser for HbA1c**

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| --- | --- |
| Title (Mr/Mrs/Miss/Dr etc): | Surname: |
| Forename(s): | |
| Job Title: | |

**Summary of Method**

Abbott Afinion 2 analyser is a portable analyser used for quantitative *in vitro* determination of HbA1c in whole blood.

The test principle for the measurement of HbA1c using this analyser is by boronate affinity assay.

Afinion Test Cartridge contains all the necessary reagents for determination of HbA1c concentration.

Sample material is obtained using sampling device (integrated with cartridge) and the test cartridge is placed in the analyser.

Blood sample is automatically diluted and mixed with liquid in order to release haemoglobin from erythrocytes. Haemoglobin then precipitates. Sample mixture is transferred to blue boronic acid conjugate, which binds with glycated haemoglobin. This mixture is then soaked through filter membrane and all precipitated haemogolobin (glycated and non-glycated) remains on the membrane, excess conjugate is removed with washing reagent. The Afinion evaluates the precipitate on the membrane by measuring the reflectance.

For a more in depth description of the method and principle please refer to the SOP/POCT/57

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| **Competency Questions** | Training given Date**/**Initials | Observation Assessment  Date**/**Initials |
| 1.Turn on the analyser | / | / |
| 2. Where is the serial number located on the instrument? | / | / |
| 3.Check expiry date on reagent cartridge | / | / |
| 4.Opens foil packet correctly and checks cartridge | / | / |
| 5.Can state storage conditions for reagent cartridges | / | / |
| 6.Opens cartridge chamber correctly | / | / |
| 8.Can prepare quality control specimens | / | / |
| 9. Can analyse quality control specimens, record results, and forward iQC results onto POCT team. | / | / |
| 10.Can analyse patient specimens and enter the patient ID | / | / |
| 11.Understands the importance of recording results and can state where they must be recorded | / | / |
| 12.Disposes of all waste products appropriately | / | / |
| 13. Can clean the surface of the analyser and the cartridge chamber | / | / |
| 13.Can clean the barcode window, exterior | / | / |
| 16.Can state when samples must be sent to the laboratory for confirmation | / | / |
| 17. Turn off the analyser correctly. | / | / |

Notes:

**Statement:** I have answered all the questions correctly and *I consider myself to be confident and competent* to use this method and interpret results   
  
Signature: Date:

**Direct Observation: to be signed by a senior nurse or the manufacturer trainer**

Collection of finger prick blood from the patient

Can obtain and interpret result generated by Afinion analyser Signature:……………………………..

Can prepare working QC solutions Date:………………………………..

**To be completed by the Assessor.**  
I have assessed ........................................................... And consider them to be competent according to the questions given above.  
  
Signature: Date:

Keep this form in your portfolio when complete and give a copy to your manager.