

Internal (ABBOTT) and External Quality Controls EQAS

Crib Sheet for the Afinion AS and

ABBOTT AF2 Shropshire NHS Health Check Devices

Please note – Both devices use the same quality control procedures.

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Afinion 2



Afinion™ AS100 Analyzer



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1. Quality Control Schedule / Machine Preparation / Cassette Panel use

- If you are the nominated person trained by Abbotts Alere to Undertake Quality Controls on the Afinion devices used either for NHS Health Checks or SMI Health Checks – you will be undertaking the following control schedule.
- Internal Abbot Controls are completed Monthly.
- External RIQAS controls are completed monthly.
- BOTH must be completed the first week of each month and results logged.

Machine and QC Preparation

To ensure accurate QC results and prevent error codes

We recommend.

If running controls from a cold machine start – please start up and leave the machine on for 1 hour prior to undertaking the control.

If the machine has been undertaking human sampling prior to QC – please restart the machine prior to undertaking the control.

Ensure the machines software is up to date **AS100 7.05 – AF2 21.14** – If software is not up to date please contact mike.parry@shropshire.gov.uk or nathan.thomas@shropshire.gov.uk

Cassette Panels

Testing Panels - All testing panels that are ordered should be placed immediately in a fridge upon arrival.

Lipids

- Must be out of the fridge for at least 15 minutes to warm up before they can be used.
- Must be used within 10 minutes of opening the package and must be put into the machine **within 1 minute** of taking a sample.
- The panels must be left out of the fridge once removed and must be used with **14 days** (please mark this date on the box)

HBA1C

- Out of the fridge for at least 15 minutes to warm up before they can be used.
- Use within 10 minutes of opening the package and must be put into the machine **within 2-3 minutes** of taking a sample.
- Panels must be left out of the fridge, can be left out and used within **90 days** (please mark this date on the box)

2. Receiving, Storing and Use of the Quality Controls

Quality Control samples are delivered on a monthly and bimonthly basis for both Internal (ABBOTT) Controls and RIQAS External single blood sample control.

Please store all QC samples in a fridge immediately upon arrival until ready to use.

Samples will need to be brought to room temperature before use – please refer to the internal supplied instructions with each sample type.

To reduce the risk of errors, undertake the controls within the specified retention period and recommendation for each sample type.

Typically

Internal ABBOTT controls will be delivered bimonthly in the first week of the month.

Internal ABBOTT **HBA1C** Controls should be brought to room temperature for 45 minutes and used within the hour.

Internal ABBOTT **LIPID** Controls can be used directly from the Fridge.

And

External RIQAS Single Blood Sample control will be delivered the first week of each month.

You should receive an email from Randox letting you know your samples are on their way with submission deadline date.

The External RIQAS Blood sample can be used after coming to room temperature for at least 45 minutes.

Storage and Retention

Internal ABBOT controls can be kept in the fridge and used within the expiry date until opened.

External RIQAS Controls should only be retained for single use and disposed of immediately after use. This will prevent left over samples building up in the fridge.

External RIQAS Single Blood sample controls **MUST** be stored immediately in a fridge.

Use

Internal ABBOT controls (HBA1C and LIPID) can be used monthly and returned to the fridge for 60 days once opened - please mark day of first use and expected 60-day expiry date on the box.

External RIQAS Blood sample control **MUST** be used and reported to the online platform within 9 days of receipt.

IMPORTANT –

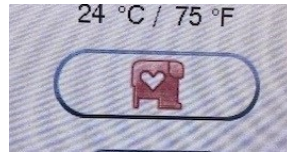
Handle all samples as you would Patient sampling.

Internal ABBOT controls can be returned to the fridge for later use.

Once you have run the monthly external RIQAS control – please dispose of immediately and DO NOT return to the fridge.

4. Undertaking and Recording External RIQAS control

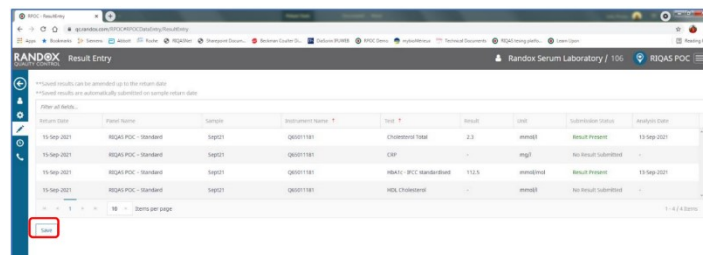
Please Note – Undertake External Controls using Patient RED ICON



Single Blood Sample HBA1C And LIPID Control (RIQAS)



- Please follow the instructions which come with the control on storage and mixing prior to running a test.
- Undertake 1 sample of **LIPID** and note Total Cholesterol and HDL – LOT number of the Cassette used.
- Undertake 1 sample of **HBA1C** and note result in mmol/l – LOT number of the Cassette used.
- For practices with more than one device, you will receive enough sample to process on all devices.
- Please record the results in the online platform. (Use Google Chrome for the online platform)



Users will be sent a username and password by RIQAS POC to create an account on the submission website

Results Submitted after the Submission Closing date will not be accepted

5. Trouble shooting / Error codes / Quick Reference Guides and Online Manuals

If you experience any issues with results or error codes, please write down all the information below,

- Machine Software Version
- Cartridge Type
- Cartridge Lot number (Outer lot = Kit lot no. and/or Inner lot = Cartridge lot no.)
- Cartridge storage
- Any shipping concern noted for the cartridges and/or controls?
- Environment/ Facility condition /Temperature/ Humidity?
- Any noted deviation when received by the customer or any deviation in the customer's facility?
- Sample type
- What was the appearance?
- Frequency of failed assays
- Control outer and inner Lot, if applicable
- What is the frequency of occurrence/number of assays failed?
- Was the test repeated? What was the outcome?
- Are the codes appearing across different tests/different lots?
- Do you have additional instruments with the same issue?

Please email to EME.TechSupport@abbott.com and contact mike.parry@shropshire.gov.uk and nathan.thomas@shropshire.gov.uk

For external quality controls

Contact Details for any errors, questions or queries with External control.

RIQAS POC team via:

- email on riqas_poc@randox.com
- telephone on 028 944 54399 between the hours of 0840 – 1720 GMT.

Quick reference guidance and online manuals.

Available by the links embedded below.

Afinion Manual for [AS100 Device](#)

Afinion (ABBOTT) Manual for [AF2 Device](#)

Quick Reference Guides Randox Point of Care External RIQAS controls.