Abbott i-STAT Point of Care Analyser

This Ward Handbook has been designed to ensure that the i-STAT System is being used within the governance guidelines of the LTHT Point of Care Policy.

Contact Details

The Point of Care Testing (POCT) Team can be contacted between the hours of Mon-Sat 08:30-17:00 on:

Ext: 22338
Mobile: 07775996028
Email: leedsth-tr.pointofcare@nhs.net

Consumables

iSTAT Cartridges Gases - G3+ REF 037P78-25
iSTAT Cartridges Gases and Lactate - CG4+ REF 03P85-25
Abbott QC solution Level 1 REF 06F12-01
Abbott QC solution Level 3 REF 06F14-01

Consumables should be ordered from Abbott through your supplies department using the reference numbers above.

Training

All users must attend a training session every 2 years.
Training sessions can be arranged directly with the clinical area Key trainer who can be identified by contacting POCT. Alternatively training can be organised directly with POCT.

Use of the Abbott i-STAT [BSF2POC033] and Operator Guide [BSF2POC101] is available on the POCT website:
Point of Care Testing (POCT) (leedsth.nhs.uk)

Documentation

Please complete the sheets within this Ward Handbook - compliance will be audited every 12 months.

Electronic Simulator Record - Performed every 24 hours and recorded
Quality Control Record - 2 levels performed every new delivery of cartridges and recorded
Sample Record - Every sample or EQA result recorded
Reagent Register - Product information for new cartridge deliveries

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CLEW Updates

Every 6 months the iSTAT will require a CLEW software update. This normally happens every May and November.
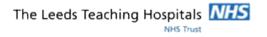
The analyser will give a warning TWO WEEKS before CLEW expiry. The POCT team will arrange for the CLEW update to be performed.

Value Assignment Sheets

Quality Control results shoud fall within an set range to ensure the analyser is performing as expected. The QC ranges change with each new batch of reagent or cartridge. To find the correct Value Assignment Sheet:-

- The sheets can be found at www.abbottpointofcare.com - Support - i-STAT 1 VAS
- Select your current CLEW from the drop down box
- Select your QC material and correct level
- If there are several lot numbers, make sure you select the current cartridge lot you are using
- Print out the Value Assignment Sheet and store with your ISTAT System
- Use these target values to ensure your QC result is within the expected range.

PLEASE - check you are using the correct Value Assignment Sheet each time you run a QC

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Electronic Simulator Record

The electronic simulator needs to be performed every 24 hours with the results recorded below. This should also be performed when a new lot of cartridges are received.

Analyser serial number _____

Date	Simulator number	Pass/Fail (If fail – action)	Operator

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Quality Control Record

Date	Cartridge lot number	QC Lot Number	QC level	Pass/Fail	Operator

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Both level 1 and 3 liquid QC samples must be run when a new lot number of cartridges are received. All results must be recorded below.

Analyser serial number _____

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Sample Record

When using the meter to run a patient or EQA sample all the information must be recorded below.

Date	Cartridge		Patient ID	Results								Operator
	Lot NO.	Expiry Date		pH	pCO$_2$	pO$_2$	TCO$_2$	HCO$_3$	BE	sO$_2$	Lac	

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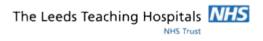# Reagent Register

The Leeds Teaching Hospitals **NHS** — NHS Trust

Please record all the details below on the receipt of any new cartridges or QC solutions.

Date of Receipt	Cartridge/QC	Lot Number	Expiry date	Temperature Correct?	Operator

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