

POCT Link Trainer Guide – Glucose

This document summarises the key points which should be covered by link trainers during training of **POCT blood glucose testing** using the **Roche Accu-chek Inform II glucose meter**

<u>Purpose</u>	• The glucose meters are used to quantify glucose levels in whole blood • Used for monitoring only – not used to diagnose diabetes
<u>Sample requirements</u>	• Capillary, venous, arterial and neonatal whole blood may be used • Heparin and EDTA venous samples can be used • Sample size is 0.6µL • Capillary samples should not be used in the following circumstances ○ Shock ○ Diabetic ketoacidosis ○ Severe hypotension
<u>Quality Control</u> 	• Frequency of QC analysis ○ Every 24 hours • Stability of solutions ○ Once opened QC is stable at room temperature for 90 days – date on opening • QC method ○ Log onto meter using Operator ID and passcode ○ Select 'Control Test' ○ Scan barcode on first bottle of QC ○ Scan barcode on pot of test strips ○ Insert strip ○ Apply control solution to tip of yellow window ○ Repeat process with second QC • QC pass / fail ○ If QC fails repeat analysis – mix QC and check expiry date ○ Try new bottles of QC then try a new pot of test strips

	○ If QC still fails = report to POCT
<u>Patient preparation</u> 	• Gain positive patient identification and (when possible) consent • Wear PPE • Warm the patients hand up • Drop the patients hand down to the side to let gravity assist with circulation • ‘Milk’ the palm of the hand to the tip of the finger • Clean and dry the site for lancing with warm soapy water, not alcohol.
<u>Analysis</u> 	• Method ○ Log onto meter using Operator ID and passcode ○ Select ‘Patient Test’ ○ Choose patient from list or enter NHS number ○ Insert strip ○ Lance patient ▪ Use side of pad of finger ▪ Avoid using thumb and forefinger ▪ If you must squeeze – wipe away first drop & take measurement from second drop ○ Fill yellow window with blood • Measuring range ○ 0.6 – 33.3 mmol/l
<u>Results</u>	• Results must be recorded in the patient notes • Result ‘LO’ = report as less than <0.6mmol/l • Result ‘HI’ = report as more than >33.3mmol/l • Glucose critical range = <4mmol/l and >16mmol/l • If results do not fit the clinical picture – QC the meter and re-test the patient
<u>After testing</u> 	• Dispose of test strip in clinical waste • The device must be cleaned after each use and in-between patients with Clinell wipes or 70% alcohol wipes

<u>EQA samples</u> 	• External Quality Assurance is mandatory for all POCT equipment • Samples are sent every 3 months • It is every Operator's responsibility to ensure the EQA samples are run and results returned to POCT
<u>Stock</u>	• Order strips and QC from pharmacy
<u>Analyser issues</u> 	• Contact POCT: ○ York (772)5890 ○ Scarborough (771)2659 ○ Bridlington (771)

*** DO NOT SHARE YOUR OPERATOR ID WITH ANYONE ***

*** IT IS A DISCIPLINARY OFFENCE ***