








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**

<p><u>Purpose</u></p>	<ul style="list-style-type: none"> • The glucose meters are used to quantify glucose levels in whole blood • Used for monitoring only – not used to diagnose diabetes
<p><u>Sample requirements</u></p>	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ Shock ○ Diabetic ketoacidosis ○ Severe hypotension
<p><u>Quality Control</u></p>  	<ul style="list-style-type: none"> • Frequency of QC analysis <ul style="list-style-type: none"> ○ Every 24 hours • Stability of solutions <ul style="list-style-type: none"> ○ Once opened QC is stable at room temperature for 90 days – date on opening • QC method <ul style="list-style-type: none"> ○ 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 <ul style="list-style-type: none"> ○ If QC fails repeat analysis – mix QC and check expiry date ○ Try new bottles of QC then try a new pot of test strips

	<ul style="list-style-type: none"> ○ If QC still fails = report to POCT
<p><u>Patient preparation</u></p> 	<ul style="list-style-type: none"> ● 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.
<p><u>Analysis</u></p> 	<ul style="list-style-type: none"> ● Method <ul style="list-style-type: none"> ○ Log onto meter using Operator ID and passcode ○ Select ‘Patient Test’ ○ Choose patient from list or enter NHS number ○ Insert strip ○ Lance patient <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ○ 0.6 – 33.3 mmol/l
<p><u>Results</u></p>	<ul style="list-style-type: none"> ● 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
<p><u>After testing</u></p> 	<ul style="list-style-type: none"> ● 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

<p><u>EQA samples</u></p> 	<ul style="list-style-type: none">• 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
<p><u>Stock</u></p>	<ul style="list-style-type: none">• Order strips and QC from pharmacy
<p><u>Analyser issues</u></p> 	<ul style="list-style-type: none">• Contact POCT:<ul style="list-style-type: none">○ York (772)5890○ Scarborough (771)2659○ Bridlington (771)

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

*** IT IS A DISCIPLINARY OFFENCE ***