Specialist Portfolio Clinical Chemistry Competence – 7.6 Biochemical Investigation of Diabetes Mellitus and Hypoglycaemia

Name:

To be signed off by appropriately qualified staff after satisfactory performance observed and knowledge displayed

	Trainer		
	Name	**Grade**	**Signature**
Demonstrate a clear understanding of the local guidelines and sample requirements for the investigation of suspected cases of diabetes and subsequent control			
Explain the role of the laboratory in the diagnosis, treatment and monitoring of diabetes mellitus and hypoglycaemia in adults and neonates			
Be able to measure glucose, HbA1c, lipids and other analytes used by your laboratory to investigate diabetes mellitus and hypoglycaemia e.g. insulin, C-Peptide and describe the methodological techniques used			
Be able to use POCT devices to investigate diabetes mellitus and hypoglycaemia in your laboratory and describe the methodological techniques used			

Describe methodological techniques used to measure sugars in urine and fructosamine			
Explain why different values are obtained for glucose using different sample types			
Describe the effect of Hb variants on the laboratory HbA1c assay			
Describe the local protocol for the investigation of a neonate that “fails to thrive”			