

**Guidelines for Screening for Unexplained (non-diabetic)
 Hypoglycaemia - Essential blood tests**

**PLEASE COLLECT BLOOD SAMPLE BEFORE GIVING ANY
 DEXTROSE/GLUCOSE**

**This is an emergency, a Doctor should collect blood and then
 treat hypoglycaemia ASAP**

1. Blood samples must be taken when the child is hypoglycaemic i.e. with a blood glucose level of 3.0 mmol/L or below on ward glucose meter, check blood ketones on ward meter at this time.
2. Biochemistry must be informed that blood samples will be arriving in the lab shortly phone x12233 or bleep 2001 out of hours.
3. When the blood is taken to the lab it must be handed to a member of paediatric biochemistry staff and not left in reception (especially samples on ice).
4. The blood must arrive in the lab no longer than 15 minutes after being sampled from the patient, either delivered by hand or phone Sodexo on x4850 and request a porter urgently for a 'code blue' sample.

Collect blood samples as shown below. All bottles must be correctly labelled including the **date** and **time** of sample collection.

Priority	Blood sample	Bottle	Special instructions
1.	Glucose/lactate	1 ml (yellow top)	Fill to the line
2.	Insulin/c-peptide	1 ml heparinised (orange top)	To biochemistry lab immediately on ice
3.	Ammonia	1ml Special bottle (pink top)	To biochemistry lab immediately on ice
4.	3-OH butyrate/Free Fatty Acids/ cortisol	1 ml heparinised (orange top)	To biochemistry lab immediately on ice
5.	Acylcarnitines/amino acids	1 ml heparinised (orange top) Blood spot card	To Willink Lab on ice (in hours), out of hours to biochemistry
Next passed urine			
1.	Organic acids & amino acids	5-10 ml in sterile container	To Willink Lab

Please refill the box as necessary, kits can be obtained by phoning paediatric biochemistry sample reception (x12248), Clinical Sciences Building. Do not use expired kits.