

HYPOGLYCAEMIA INVESTIGATIONS

Investigations during acute episode

Glucose
Free fatty acids – on ice
Ketones
Insulin
Cortisol
Growth Hormone
Lactate/Pyruvate
Acylcarnitine Profile
Ammonia – on ice
CK, LFT, Lipids, Urate
Blood gas
Amino acids

This full work up requires

- 1 x Blood gas syringe** (0.4ml) (for blood gas and ketones) (Base)
- 1 x Guthrie card** (1 full circle) (Contact maternity for Guthrie card EXT 7750) (for Acylcarnitine) (send to CHL)
- 1 x Purple microtainer** (0.6ml in each) (on ice) (for Ammonia)(Base)
- 2 x Purple microtainer** (0.6ml in each) (on ice) (for Free fatty acids) (send to CHL)
- 2 x Green Microtainer** (0.6ml in each) (for Glucose, cortisol, CK, LFT, Lipids, Urate) (Base)
- 2 x Green Microtainer** (0.6ml in each) (for amino acids) (send to CHL)
- 1 x Red adult tube** (1.5ml) (Insulin and Growth Hormone) (send to Awanui frozen, 1 x aliquot tube)
- 1 x Lactate/Pyruvate tube** (1ml) (Special pre-weighed tube, contact laboratory ext 7445) (NO STICKY LABELS ON TUBE, HAND LABEL WITH BALLPOINT PEN) (send to CHL)

*****Approximately 7.2 - 7.5ml blood**

Most important samples are:

- 1 x Green Microtainer (0.6ml) (Glucose and Ketones)
- 1 x Red adult tube (1ml) (Insulin)

If possible, add cortisol and blood gas (Collect and additional Green microtainer (0.6ml) and blood gas (0.4ml)

Urine – Organic Acids (4ml)(Frozen to CHL write time put in freezer on form)
Ketones (1ml) (Base)

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