

HSL ANALYTICS CLINICAL BIOCHEMISTRY SPECIALIST SERVICES TEST INFORMATION

Analyte	Sample type	amount	Shipping temperature	Turnaround time	Comments	External EQA scheme
ACTH	EDTA plasma	0.5 mL	Frozen	2 days	Blood should be cooled, separated and frozen within 30' of collection. Haemolysed samples not suitable	Edinburgh UKNEQAS
Alanine:glyoxylate aminotransferase (AGT)	Liver biopsy	20 mg	Frozen	30 days		None available
Aldosterone	EDTA plasma	1 mL	4°C(or send frozen with renin)	7 days		BioRad EQAS
Calculus	stone	10 mg	ambient	3 days		WEQAS
Citrate	Urine (acid or plain)	10 mL	ambient	5 days		WEQAS
Cystine (screen)	Plain urine	5 mL	ambient	2 days		None
Cystine (quantitative)	Plain urine	5 mL	ambient	5 days		
Free light chains, serum	serum	0.5 mL	ambient	7 days		UKNEQAS Improve and Binding Site
Glycolate		10 mL	ambient	10 days	See PH metabolites	None available
Glyoxylate reductase	Liver biopsy (see AGT)	20 mg	Frozen	30 days	Run concurrently with AGT	None available
Growth hormone	Serum	0.5 mL	Frozen	2 days	Blood should be separated and frozen on day of collection	Edinburgh UKNEQAS
17α-OH progesterone	Plasma/serum	0.5 mL	ambient	6 days	Valid from day 1 of life	UKNEQAS and BioRad EQAS
IGF1	serum	0.5 mL	Frozen	2 days	Blood should be separated and frozen on day of collection. Haemolysed samples are unsuitable for analysis	Guildford NEQAS
Macroprolactin	Serum	0.5 mL	ambient	7 days		UKNEQAS Peptide hormone scheme

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Oxalate	Urine (acid)	10 mL	ambient	5 days		WEQAS
Oxalate (plasma)	EDTA plasma	5 mL	frozen	10 days	Separate sample within 2h and freeze plasma	None available (Sample exchange)
PH metabolites	Urine (acid)	5 mL	ambient	10 days	GCMS method for glycolate, glycerate, 2,4-dihydroxyglutarate for investigation of possible primary hyperoxaluria	None available
Renin	EDTA plasma	1 mL	Frozen	7 days		BioRad EQAS
Steroid profile (urine)	Plain urine	10 mL	ambient	7 days	Neonatal samples must be 3 days post natal	SKZL/UCLH
Urine protein electrophoresis	Random urine	5 mL	ambient	7 days	Freshly collected samples should be shipped by 1 st class post or frozen until shipped.	UKNEQAS
Vitamin D (25-hydroxy)	serum	0.5 mL	Ambient	5 days	Blood should be separated and frozen on day of collection but may be shipped by 1 st class post at ambient temperature.	Charing Cross vitamin D scheme