



ACUTE CHEMISTRY TEST REPERTOIRE

Department of Medical Biochemistry and Immunology
University Hospital of Wales
Heath Park
Cardiff
CF14 4XW

University Hospital Llandough
Penlan Road
Llandough
CF64 2XX

Acute chemistry section open Monday - Friday 9:00 to 17:00

For laboratory general enquiries Tel: 029 20742800

Scientific/ Technical Advice: Mark Saunders (Lead Biomedical Scientist ABS) mark.saunders@wales.nhs.uk

Clinical Advice: Duty Biochemist Tel - 02920 748334 (direct line) / 02920 747747, bleep 5452

Dr Soha Zouwail (Consultant Biochemist – UHW) soha.zouwail@wales.nhs.uk

Dr Dev Datta (Consultant Biochemist - Llandough) dev.datta@wales.nhs.uk

Assay	Sample requirements (ml)	Sample handling / Transport	Methodology	Reference Range	Turnaround Time (maximum working days)	EQA	Clinical Utility
Ca 15-3	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	<32 U/mL	1	U.K.NEQAS	tumour marker
Ca 19-9	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	<37 U/mL	1	U.K.NEQAS	tumour marker
Bile Acids	1ml serum	Store at 4oC and transport at room temp	Abbott Clinical Chemistry – Enzyme cycling	1 - 10 umol/l	1	WEQAS	obstetric cholestasis
ACE	1ml serum/plasma	Store at 4oC and transport at room temp	Abbott Clinical Chemistry - Enzymatic colorimetric	8-52IU/l	7	WEQAS	Sarcoidosis
Lp(a)	1ml serum/ plasma	Store at 4oC and transport at room temp	Abbott Alinity turbimetry	<300 mg/L	7	WEQAS	Cardiovascular risk factor
Apolipoprotein A1	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity immunoturbidimetric	sex/ age specific- see report	7	WEQAS	Cardiovascular risk factor
Apolipoprotein B	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity immunoturbidimetric	sex/ age specific- see report	7	WEQAS	Cardiovascular risk factor
Acetaminophen	0.5ml Serum/Plasma	Store at 4oC and transport at room temp	Abbott Diagnostic Enzymatic colorimetric	N/A	1	WEQAS	Analgesic drug
Salicylate	0.5ml Serum/Plasma	Store at 4oC and transport at room temp	Abbott Diagnostic Enzymatic colorimetric	Therapeutic range 100-300mg/L	1	WEQAS	Analgesic drug
Ethanol	0.5ml Serum/Plasma	Store at 4oC and transport at room temp	Abbott Diagnostic Enzymatic colorimetric	N/A	1	U.K.NEQAS	Alcohol

PSA	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	sex/ age specific- see report	1	U.K.NEQAS	tumour marker
CEA	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	<5 ng/mL	1	U.K.NEQAS	tumour marker
Ca125	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	<35 U/mL	1	U.K.NEQAS	tumour marker
BHCG	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	Female (non Pregnant) <5 U/L Male <1U/L	1	UKNEQAS	tumour marker
AFP	1ml serum	Store at 4oC and transport at room temp	Abbott Alinity Immunoassay	Age specific – see report	1	U.K. NEQAS	tumour marker

*Please contact the department for current prices