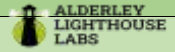


Test Catalogue



Test	Biomarker group	Smaller panel code	Individual Biomarker Code	Tube Type	Units	Ref Range	ISO:15189 Accreditation	Venous, Capillary, Swab, Tampon, Urine	Sample Volume	TAT	Stability	Comments	
Sodium	U&E (Kidney)	UE01 (NA, UR, CREA, EGFR)	NA	SST	mmol/L	136 - 145	N	VC	15	48 hrs	72 hrs		
Potassium			K	SST	mmol/L	3.5 - 5.3	N	V	15	48 hrs	6 hrs		
Chloride			CL	SST	mmol/L	98 - 107	N		15	48 hrs	72 hrs		
Bicarbonate		BIC	SST	mmol/L	22 - 30	N		1	48 hrs	6 hrs	Not ideal on capillary due to bicarb stability		
Blood Urea Nitrogen (BUN)		UR	SST	mmol/L	2.8 - 8.1	N		1.5	48 hrs	72hrs			
Creatinine (Enzymatic)		UE (UR, CREA, EGFR)	CREA	SST	umol/L	M:62-106 F: 44-80 18-60Y: >90 60-70Y: >85 70-120Y: >75	N	VC	1.7	48 hrs	72hrs		
eGFR	Liver Function Test		EGFR	SST	ml/min/1.73m <sup>2</sup>		N	VC	0	48 hrs		Calculation	
Total Protein			TP	SST	g/L		N	VC			72hrs		
Albumin			ALB	SST	g/L	35 - 52	N	VC	1.6	48 hrs	72hrs		
Alkaline Phosphatase			ALP	SST	U/L	35 - 130	N	VC	2.1	48 hrs	72hrs		
Aspartate Aminotransferase			AST	SST	U/L	M: <50 F: <35	N	VC	4.5	48 hrs	72hrs		
Alanine Aminotransferase			ALT	SST	IU/L	M: <50 F: <35	N	VC	4.5	48 hrs	72hrs		
Total Bilirubin			TBIL	SST	umol/L	< 21	N	VC	1.3	48 hrs	72hrs		
Globulin			GLOB	SST	g/L	18 - 36	N	VC	0	48 hrs		Calculation	
Gamma-glutamyl Transferase			GGT	SST	U/L	M: <60 F: <40	N	VC	2.3	48 hrs	72hrs		
Total Cholesterol			CHOL	SST	mmol/L	< 5.0	N	VC	1.1	48 hrs	72hrs		
Triglycerides	TRIG	SST	mmol/L	< 1.7	N	VC	1.1	48 hrs	72hrs				
High Density Lipoprotein	HDL	SST	mmol/L	> 1.2	N	VC	1.3	48 hrs	72hrs				
Low Density Lipoprotein	LDL	SST	mmol/L	< 3.0	N	VC	0	48 hrs		Calculation			
Cholesterol:HDL Ratio	CHHD	SST		< 6.0	N	VC	0	48 hrs		Calculation			
Non HDL Cholesterol	NHDL	SST	mmol/L	< 4.0	N	VC	0	48 hrs		Calculation			
Apolipoprotein A	Lipid Profile	LIP01	APOA	SST	g/L	F: < 60Y: 1.01 - 2.23 F: > 60Y: 0.91 - 2.24 M: < 60Y: 0.95 - 1.86 M: > 60Y: 0.73 - 1.86	N	VC	2.4	48 hrs			
Apolipoprotein B			APOB	SST	g/L	0.4 - 1.2	N	VC	4.8	48 hrs			
Apolipoprotein B:A ratio			APBA	SST		< 0.8	N		0	48 hrs		Calculation	
High Lipoprotein (a)			LPA	SST	nmol/L	< 60	N		1.5	48 hrs			
Thyroid Stimulating Hormone			THY (TSH, FT4)	TSH	SST	uIU/mL	0.27 - 4.20	N	VC	30	48 hrs	72hrs	
Free T4			FT4	SST	pmol/L	12.0 - 22.0	N	VC	9	48 hrs	72hrs		
Free T3	Thyroid Profile	THY01 (TSH, FT4, FT3)	FT3	SST	pmol/L	3.1 - 6.8	N	VC	9	48 hrs	72hrs		
Total T3			T3	SST	nmol/L	1.3 - 3.1	N		18	48 hrs	72hrs		
Thyroxine			T4	SST	nmol/L	66 - 181	N		9	48 hrs	72hrs		
Anti Thyroid Peroxidase			ATPO	SST	IU/mL	<34	N	VC	12	48 hrs	72hrs		
Thyroglobulin Antibodies			TGAB	SST	IU/mL	<40	N	VC	6	48 hrs	72hrs		
Active Vitamin B12			AB12	SST	pmol/L	37.5 - 188	N	VC	18	48 hrs	72hrs		
Total Vitamin B12	B12	SST	pg/mL	197 - 771	N	VC	9	48 hrs	72hrs				
Vitamin D	VITD	SST	nmol/L	<50 inadequate	N	VC	9	48 hrs	72hrs				
Folate (B9)	FOL	SST	ug/L	> 4.0	N	VC	15	48 hrs	72hrs				
Omega 3	OM3	EDTA	%	2.8 - 15.4	N		150	5 days	5 days				
Omega 6	OM6	EDTA	%	NA	N		150	5 days	5 days				
Omega 3:6 Ratio	OM36	EDTA		1.9:1 - 14.6:1 (Range not provided by LIMS)	N		0	5 days	5 days				
Zinc	ZN	SST	umol/L	10.0 - 22.0	N	VC	4.8	48 hrs	72hrs				
Copper	CU	SST	umol/L	12.0 - 25.0	N	VC	6.7	48 hrs	72hrs				
Magnesium	MG	SST	mmol/L	0.66 - 1.07	N	VC	2.4	48 hrs	72hrs	Also in Bone Profile			
Phosphate	PHOS	SST	mmol/L	0.81 - 1.45	N	VC	2.5	48 hrs	72hrs	Also in Bone Profile			
Calcium	CA	SST	mmol/L	2.15 - 2.5	N	VC	1.5	48 hrs	72hrs				
Corrected Calcium	CCA	SST	mmol/L	2.2 - 2.6	N		0	48 hrs	72hrs				
Phosphate	PHOS	SST	mmol/L	0.81 - 1.45	N	VC	2.5	48 hrs	72hrs				
Alkaline Phosphatase	ALP	SST	U/L	35 - 130	N	VC	2.1	48 hrs	72hrs	Usually part of LFT			
Magnesium	MG	SST	mmol/L	0.66 - 1.07	N	VC	2.4	48 hrs	72hrs				
Blood Film Examination	FILM	EDTA	NA		N		20	48 hrs					
White Cell Count	WCC	EDTA	x10 <sup>9</sup> /L	4.0 - 10.0	N	VC		48 hrs	48hrs				
Lymphocytes	LYMPH	EDTA	x10 <sup>9</sup> /L	1.0 - 3.0	N	VC		48 hrs	48hrs				
Monocytes	MON	EDTA	x10 <sup>9</sup> /L	0.1 - 1.0	N	VC		48 hrs	48hrs				
Neutrophils	NEUT	EDTA	x10 <sup>9</sup> /L	2.0 - 7.0	N	VC		48 hrs	48hrs				
Eosinophils	EOS	EDTA	x10 <sup>9</sup> /L	0.1 - 1.0	N	VC		48 hrs	48hrs				
Basophils	BAS	EDTA	x10 <sup>9</sup> /L	< 0.1	N	VC		48 hrs	48hrs				
Red Cell Count	RBC	EDTA	x10 <sup>12</sup> /L	F: 3.8 - 5.5 M: 4.5 - 6.0	N	VC		48 hrs	48hrs				
Haemoglobin	HB	EDTA	g/L	M: 130 - 180 F: 0.35 - 0.47	N	VC		48 hrs	72hrs				
Hematocrit	HCT	EDTA	L/L	M: 0.39 - 0.52	N	VC		48 hrs	48hrs				
Mean Cell Volume	MCV	EDTA	fL	80-100	N	VC		48 hrs	24hrs				
Mean Cell Haemoglobin	MCH	EDTA	pg	27 - 33	N	VC		48 hrs	24hrs				
Mean Cell Haemoglobin Concentration	MCHC	EDTA	g/L	320 - 365	N	VC		48 hrs	24hrs				
Red Cell Distribution Width	RDW	EDTA	%	11.0 - 15.8	N	VC		48 hrs	24hrs				
Platelets	PLT	EDTA	x10 <sup>9</sup> /L	150 - 400	N	VC		48 hrs	48hrs				
Mean Platelet Volume	MPV	EDTA	fL	7.0 - 12.0	N	VC		48 hrs	24hrs				
C Reactive Protein	CRP	SST	mg/L	<5	N	VC		1.3	48 hrs	72hrs			
High Sensitivity C Reactive Protein	HSCRP	SST	mg/L	<5	N	VC		4.5	48 hrs	72hrs			

Erythrocyte Sedimentation Rate	Inflammation		ESR	EDTA	mm/hr	F 18 - 50Y: ≤ 20 F >50Y: ≤ 30 M 18 - 50Y: ≤ 15 M >50Y: ≤ 20	N			1200	48 hrs	24hrs	
Ferritin	IS		FERR	SST	ug/L	M: 30 - 400 F: 13 - 150	N	VC		7.5	48 hrs	72hrs	
Iron			IRON	SST	umol/L	5.8 - 34.5	N	VC		6.4	48 hrs	72hrs	
Transferrin saturation (calculated)			TSAT	SST	%	13 - 45	N	VC		0	48 hrs		Calculated
TIBC			TIBC	SST	umol/L	45 - 72	N	VC		0	48 hrs		Calculated
UIBC			UIBC	SST	umol/L	F: 24.2 - 70.1 M: 22.3 - 61.7	N	VC		15	48 hrs	72hrs	
Transferrin (measured)	Haematinics		TRANS	SST	g/L	2.0 - 3.6	N	VC		7.5	48 hrs	72hrs	
Folate (B9)			FOL	SST	ug/L	> 4	N	VC		15	48 hrs	72hrs	Found in Vitamins also
Total PSA	Prostate		TPSA	SST	ng/mL	M: 18-40Y: < 1.4 M: 40-49Y: < 2.0 M: 50-59Y: < 3.8 M: 60-69Y: < 5.4 M: 70-120Y: < 6.2	N	VC		12	48 hrs	72hrs	
Free PSA			FPSA	SST	ng/mL	Clinical input needed ( ref range not supplied by LIMS)	N	VC		12	48 hrs	72hrs	
TPSA:FPSA ratio			FPTP	SST	%		N			0	48 hrs		
Follicle-stimulating hormone	Female Hormones		FSH	SST	IU/L	M: 1.5 - 12.4 <b>(Female ranges not provided by LIMS)</b> F: Follicular phase = 3.5 - 12.5 Mid-cycle = 4.7 - 21.5 Luteal phase = 1.7 - 7.7 Menopausal = >30	N	VC		24	48 hrs	72hrs	
Luteinising Hormone			LH	SST	IU/L	Males = 1.7 - 8.6 <b>(Female ranges not provided by LIMS)</b> Follicular phase = 2.4 - 12.6 Mid-cycle = 14 - 95.6 Luteal phase = 1.0 - 11.4 Post-menopausal = 7.7 - 58.5	N	VC		12	48 hrs	72hrs	
Oestradiol			OEST	SST	pmol/L	Males = 28 - 156 <b>(Female ranges not provided by LIMS)</b> Follicular phase = 46 - 607 Mid-cycle = 315 - 1828 Luteal phase = 161 - 774 Post-menopausal = 18.4 - 201	N	VC		15	48 hrs	72hrs	
Progesterone			PROG	SST	nmol/L	Males = <0.6 <b>(Female ranges not provided by LIMS)</b> Follicular phase = 0.81 - 2.84 Luteal phase = 5.82 - 75.9 Post-menopausal = <0.2 - 0.5	N	VC		12	48 hrs	72hrs	
Sex Hormone Binding globulin			SHBG	SST	nmol/L	F: 18-49Y: 32 - 128 F: 50-120Y: 27 - 128 M: 18-49Y: 18 - 54 M: 50-120Y: 21 - 77	N	VC		6	48 hrs	72hrs	
Free Androgen index	Cancer Markers		FAI	SST	%	M 20-49Y 35-92.6% M ≥50Y 24.3-72.1% F 20-49Y 0.297-5.62% F ≥50Y 0.187-3.63%	N	VC		0	48 hrs	72hrs	Needs SHBG and Albumin
Beta Human Chorionic Gonadotrophin			BHCG	SST	IU/L	< 5	N			6	48 hrs		Pregnancy related
Prolactin			PROL	SST	mU/L	M: 86 - 324 F: 102 - 496	N	VC		6	48 hrs	72hrs	
Anti Mullerian Hormone			AMH	SST	pmol/L	NA (Age, Ethnicity and clinical info required)	N	VC		30	48 hrs	72hrs	
Dehydroepiandrosterone Sulphate			DHEAS	SST	umol/L	F: 1.6 - 7.8 M: 2.3 - 10	N	VC		9	48 hrs	72hrs	Fertility related
Total Testosterone			TES	SST	nmol/L	F: 18-49Y: 0.29 - 1.67 F: 50-120Y: 0.101 - 1.42 M: 18-49Y: 8.64 - 29.0 M: 50-120Y: 6.68 - 25.7	N	VC		12	48 hrs	72hrs	Also in Male Hormones
CA 125			C125	SST	ku/L	< 35	N			12	48 hrs	72hrs	
CA 15-3			C153	SST	ku/L	< 30	N			6	48 hrs	72hrs	
CA 19-9			C199	SST	ku/L	< 33	N			6	48 hrs	72hrs	
CA 72-4			C724	SST	ku/L	< 8.2	N			18	48 hrs	72hrs	
Carcino Embryonic Antigen		CEA	SST	ng/mL	< 5	N			6	48 hrs	72hrs		
Pancreatic Amylase	Pancreatic Markers		AMY	SST	U/L	28 - 100	N			4	48 hrs	72hrs	
Lipase			LIPA	SST	U/L	13 - 60	N			1.5	48 hrs		
Total Testosterone	Male Hormones		TES	SST	nmol/L	F: 18-49Y: 0.29 - 1.67 F: 50-120Y: 0.101 - 1.42 M: 18-49Y: 8.64 - 29.0 M: 50-120Y: 6.68 - 25.7	N	VC		12	48 hrs	72hrs	
Free Testosterone			FTES	SST	nmol/L	M 20-49Y 0.198-0.629 nmol/L M ≥50Y 0.163-0.473 nmol/L F 20-49Y 0.003-0.033 nmol/L F ≥50Y 0.001-0.020 nmol/L	N	VC		0	48 hrs		Needs SHBG and Albumin
ABO Blood Grouping	Blood Group		ABO	EDTA		NA	N	VC		500	48 hrs		
Creatinine Kinase Enzymes	Cardiac Markers		CK	SST	U/L	M: 40 - 320 F: 25 - 200	N	VC		2.2	48 hrs	72hrs	
Troponin T			TROP	SST	ng/L	< 14	N	VC		30	24 hrs	24 hrs	
NT Pro BNP			BNP	SST	ng/L	< 400	N	VC		9	48 hrs		4 hour stability
Glucose	Diabetic markers		GLU	Flox	mmol/L	2.5 - 11	N	VC		3	48 hrs		
Glycosylated Haemoglobin (HbA1c)			HBA1	EDTA	mmol/L	< 42	N	VC		18	48 hrs	5 days	
Glucose tolerance test (2 samples)			GT2	Flox	mmol/L	Pending	N	VC		6	48 hrs		numerous samples needed
Albumin Creatinine ratio			UALCR	Urine		Pending	N	U		0	48 hrs		
Micro Albumin			MALB	Urine	umol/L	Pending	N	U		4.8	48 hrs		

