

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
AFP	23/05/2019	AFP3	B	1 month - < 4 months		33.2	830	kiU/L	Roche Supplied Ranges for Children and Adults 2008
AFP	23/05/2019	AFP3	B	4 months - < 18 years		0	9.6	kiU/L	Roche Supplied Ranges for Children and Adults 2008
AFP	22/05/2019	AFP3	B	18+ years		0	6	kiU/L	Roche Supplied Ranges for Children and Adults 2008
AFP	23/05/2019	AFP3	B	< 30 days		41.5	83,000	kiU/L	Roche Supplied Ranges for Children and Adults 2008
Albumin	N/A	ALB	B	< 4 weeks		30	45	g/L	Pathology Harmony
Albumin	N/A	ALB	B	4 weeks - < 1 year		30	45	g/L	Pathology Harmony
Albumin	N/A	ALB	B	1 year - < 16 years		30	50	g/L	Pathology Harmony
Albumin	N/A	ALB	B	16+ years		35	50	g/L	Pathology Harmony
Alcohol	N/A	ALCO	B	16+ years	LC	N/A	N/A	mg/L	N/A
Alkaline Phosphatase	N/A	ALKP	B	< 4 weeks		70	380	U/L	Pathology Harmony
Alkaline Phosphatase	N/A	ALKP	B	4 weeks - < 1 year		60	425	U/L	Pathology Harmony
Alkaline Phosphatase	N/A	ALKP	B	1 year - < 16 years		60	425	U/L	Pathology Harmony
Alkaline Phosphatase	N/A	ALKP	B	16+ years		30	130	U/L	Pathology Harmony
ALT	23/05/2019	ALT	B	1 day		0	31	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	2 days - 5 days		0	52	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	6 days - < 7 months		0	60	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	7 months - < 1 year		0	57	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	1 year - < 4 years		0	39	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	4 years - < 7 years		0	39	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	B	7 years - < 13 years		0	39	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	F	13 years - < 17 years		0	23	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	F	17+ years		0	33	U/L	Method Kit Insert
ALT	23/05/2019	ALT	M	13 years - < 17 years		0	26	U/L	Roche Supplied Ranges for Children and Adults 2008
ALT	23/05/2019	ALT	M	17+ years		0	41	U/L	Method Kit Insert
Ammonia	22/05/2019	AMMO	B	sick/premature	CRR		<150	umol/L	Pathology Harmony
Ammonia	22/05/2019	AMMO	B	< 4 weeks	CRR		<100	umol/L	Pathology Harmony
Ammonia	22/05/2019	AMMO	B	4 weeks - < 16 years	CRR		<50	umol/L	Pathology Harmony
Ammonia	22/05/2019	AMMO	F	16+ years		11	51	umol/L	Method Kit Insert
Ammonia	22/05/2019	AMMO	M	16+ years		16	60	umol/L	Method Kit Insert
Amylase	23/05/2019	AMY	B	< 15 days		3	11	U/L	CALIPER
Amylase	23/05/2019	AMY	B	15 days - < 13 weeks		0	25	U/L	CALIPER
Amylase	23/05/2019	AMY	B	13 weeks - < 1 year		3	58	U/L	CALIPER
Amylase	23/05/2019	AMY	B	1 year - < 19 years		29	118	U/L	CALIPER
Amylase	23/05/2019	AMY	B	19+ years		0	100	U/L	Method Kit Insert
AST	23/05/2019	AST	B	< 15 days		0	155	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	B	15 days - < 1 year		0	63	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	B	1 year - < 7 years		0	41	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	B	7 years - < 12 years		0	33	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	F	12 years - < 17 years		0	23	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	F	17+ years		0	32	U/L	Method Kit Insert
AST	23/05/2019	AST	M	12 years - < 17 years		0	32	U/L	Roche Supplied Ranges for Children and Adults 2008
AST	23/05/2019	AST	M	17+ years		0	40	U/L	Method Kit Insert
Bicarbonate	N/A	HCO3	B	< 4 weeks		19	28	mmol/L	Pathology Harmony
Bicarbonate	N/A	HCO3	B	4 weeks - < 1 year		19	28	mmol/L	Pathology Harmony
Bicarbonate	N/A	HCO3	B	1 year - < 16 years		19	28	mmol/L	Pathology Harmony
Bicarbonate	N/A	HCO3	B	16+ years		22	29	mmol/L	Pathology Harmony

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
Bile Acid	N/A	TBA	B	16+ years		0	10	umol/L	Method Kit Insert
Bilirubin, Direct	N/A	DBIL	B	All		0	3.4	umol/L	Method Kit Insert
Bilirubin, Total	N/A	TBIL	B	< 1 day		0	137	umol/L	Method Kit Insert
Bilirubin, Total	N/A	TBIL	B	1 day - 2 days		0	222	umol/L	Method Kit Insert
Bilirubin, Total	N/A	TBIL	B	3 days - 14 days		0	290	umol/L	Method Kit Insert
Bilirubin, Total	N/A	TBIL	B	15 days - < 16 years		-	<21	umol/L	Pathology Harmony
Bilirubin, Total	N/A	TBIL	B	16+ years		-	<21	umol/L	Pathology Harmony
CA 125	N/A	C125	B	16+ years		0	35	U/ml	Method Kit Insert
Calcium	N/A	CA	B	< 4 weeks		2.00	2.70	mmol/L	Pathology Harmony
Calcium	N/A	CA	B	4 weeks - < 16 years		2.20	2.70	mmol/L	Pathology Harmony
Calcium	N/A	CA	B	16+ years		2.15	2.65	mmol/L	Local/Historical
Calcium (Adjusted)	N/A	ADCA	B	16+ years		2.20	2.60	mmol/L	Pathology Harmony
CEA	N/A	CEA2	B	All	LC	N/A	N/A	ug/L	N/A
Chloride	N/A	CL	B	All		95	108	mmol/L	Pathology Harmony
Cholesterol, HDL	N/A	HDL	B	All	CRR	N/A	N/A	mmol/L	NICE CG181
Cholesterol, LDL	N/A	LDL	B	All		N/A	N/A	mmol/L	N/A
Cholesterol, non-HDL	N/A	NHDL	B	All		N/A	N/A	mmol/L	N/A
Cholesterol, Total	N/A	CHOL	B	All	LC/CRR	N/A	N/A	mmol/L	NICE CG181
Cortisol	N/A	CORT	B	All		LC	-	mmol/L	All Wales Audit Group 2016
C-Reactive Protein	N/A	CRP	B	All		0	5	mg/L	Method Kit Insert
Creatine Kinase	23/05/2019	CK	B	1 day		0	712	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	B	2 days - 5 days		0	652	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	B	6 days - < 7 months		0	295	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	B	7 months - < 1 year		0	203	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	B	1 year - < 4 years		0	228	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	B	4 years - < 7 years		0	149	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	F	7 years - < 13 years		0	154	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	F	13 years - < 17 years		0	123	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	F	17+ years		25	200	U/L	Pathology Harmony
Creatine Kinase	23/05/2019	CK	M	7 years - < 13 years		0	247	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	M	13 years - < 17 years		0	270	U/L	Roche Supplied Ranges for Children and Adults 2008
Creatine Kinase	23/05/2019	CK	M	17+ years		40	320	U/L	Pathology Harmony
Creatinine	N/A	CREA	B	< 2 months		27	77	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	2 months - < 1 year		14	34	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	1 year - < 3 years		15	31	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	3 years - < 5 years		23	37	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	5 years - < 7 years		25	42	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	7 years - < 9 years		30	47	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	9 years - < 11 years		29	56	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	11 years - < 13 years		39	60	umol/L	Method Kit Insert
Creatinine	N/A	CREA	B	13 years - < 15 years		40	68	umol/L	Method Kit Insert
Creatinine	N/A	CREA	F	15+ years		45	84	umol/L	Method Kit Insert
Creatinine	N/A	CREA	M	15+ years		59	104	umol/L	Method Kit Insert

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
CSF glucose	23/05/2019	CGLU	B	< 18 years		3.33	4.44	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF glucose	23/05/2019	CGLU	B	18+ years		2.22	3.89	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF Lactate	N/A	CLAC	B	< 3 days		1.1	6.7	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF Lactate	N/A	CLAC	B	3 days - 10 days		1.1	4.4	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF Lactate	N/A	CLAC	B	11 days - < 18 years		1.1	2.8	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF Lactate	N/A	CLAC	B	18+ years		1.1	2.4	mmol/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	1 day - < 2 months		0.25	0.72	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	2 months - < 4 months		0.2	0.72	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	4 months - < 7 months		0.15	0.5	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	7 months - < 12 months		0.1	0.45	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	1 year - < 3 years		0.1	0.4	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	3 years - < 5 years		0.1	0.38	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	5 years - < 8 years		0.1	0.43	g/L	Roche Supplied Ranges for Children and Adults 2008
CSF Total Protein	23/05/2019	CTP	B	8+ years		0.15	0.45	g/L	Roche Supplied Ranges for Children and Adults 2008
Digoxin	N/A	DIG	B	All		0.5	2	ug/L	Pathology Harmony
Estradiol	22/05/2019	OESD	F	Follicular		45.4	854	pmol/L	Method Kit Insert
Estradiol	22/05/2019	OESD	F	Midcycle		151	1461	pmol/L	Method Kit Insert
Estradiol	22/05/2019	OESD	F	Luteal		81.9	1251	pmol/L	Method Kit Insert
Estradiol	22/05/2019	OESD	M	< 18 years	CRR	N/A	N/A		Method Kit Insert
Estradiol	22/05/2019	OESD	M	18+ years		41.4	159	pmol/L	Method Kit Insert
Ferritin	23/05/2019	FER	B	<1 year		12	327	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	B	1 year - < 4 years		6	67	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	B	4 years - < 7 years		4	67	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	F	7 years - < 13 years		7	84	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	F	13 years - < 17 years		13	68	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	F	17+ years		13	150	ug/L	Method Kit Insert
Ferritin	23/05/2019	FER	M	7 years - 12 years		14	124	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	M	13 years - 17 years		14	152	ug/L	Roche Supplied Ranges for Children and Adults 2008
Ferritin	23/05/2019	FER	M	17+ years		30	400	ug/L	Method Kit Insert
Folate	N/A	FOL	B	All		3.7	18.7	ug/L	Local/Historical
Free Androgen Index	N/A	FAI	F	<20 years	CRR	N/A	N/A	nmol/L	Testosterone Method Kit Insert
Free Androgen Index	N/A	FAI	F	20 years - < 50 years		0.3	5.63	nmol/L	Testosterone Method Kit Insert
Free Androgen Index	N/A	FAI	F	50+ years		0.19	3.63	nmol/L	Testosterone Method Kit Insert
Free Androgen Index	N/A	FAI	M	<20 years	CRR	N/A	N/A	nmol/L	Testosterone Method Kit Insert
Free Androgen Index	N/A	FAI	M	20 years - < 50 years		35	92.6	nmol/L	Testosterone Method Kit Insert
Free Androgen Index	N/A	FAI	M	50+ years		24.3	72.1	nmol/L	Testosterone Method Kit Insert

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
FSH	23/05/2019	FSH2	F	< 1 year		1.2	12.5	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	F	1 year - < 5 years		0.5	6	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	F	5 years - < 10 years		0.9	8.9	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	F	10 years - 15 years		0.7	9.6	U/L	Mayo Clinic Laboratories derived
FSH	22/05/2019	FSH2	F	Follicular	CRR	3.5	12.5	U/L	Method Kit Insert
FSH	22/05/2019	FSH2	F	Midcycle	CRR	4.7	21.5	U/L	Method Kit Insert
FSH	22/05/2019	FSH2	F	Luteal	CRR	1.7	7.7	U/L	Method Kit Insert
FSH	22/05/2019	FSH2	F	Post-Menopausal	CRR	25.8	134.8	U/L	Method Kit Insert
FSH	23/05/2019	FSH2	M	< 1 year		<	3.3	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	M	1 year - < 5 years		<	1.9	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	M	5 years - < 10 years		<	2.3	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	M	10 years - < 15 years		0.6	6.9	U/L	Mayo Clinic Laboratories derived
FSH	23/05/2019	FSH2	M	15 years - < 18 years		0.7	9.6	U/L	Mayo Clinic Laboratories derived
FSH	22/05/2019	FSH2	M	18+ years		1.5	12.4	U/L	Method Kit Insert
Gentamicin	22/05/2019	GENT	B	All	CRR	N/A	N/A	mg/L	N/A
GGT	23/05/2019	GGT	B	<15 days		17	175	U/L	CALIPER
GGT	23/05/2019	GGT	B	15 days - 1 year		5	101	U/L	CALIPER
GGT	23/05/2019	GGT	B	1 year - 11 years		4	12	U/L	CALIPER
GGT	23/05/2019	GGT	B	11 years - 19 years		4	16	U/L	CALIPER
GGT	23/05/2019	GGT	F	19+ years		0	40	U/L	Method Kit Insert
GGT	23/05/2019	GGT	M	19+ years		0	60	U/L	Method Kit Insert
Glucose		GLU	B	<18 years		3.3	5.6	mmol/L	Tietz 5th Ed
Glucose		GLU	B	18+ years		4.1	5.6	mmol/L	Tietz 5th Ed
hCG, Total	22/05/2019	HCG	F	All	CRR	N/A	N/A	U/L	Method Kit Insert
hCG, Total	22/05/2019	HCG	M	All		0	2	U/L	Method Kit Insert
Immunoglobulin A	N/A	IGA	B	≤14 days		0.01	0.08	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	14 days - < 30 days		0.02	0.15	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	1 month - < 3 months		0.05	0.4	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	3 months - < 6 months		0.1	0.5	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	6 months - < 9 months		0.15	0.7	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	9 months - < 1 year		0.2	0.7	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	1 year - < 2 years		0.3	1.2	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	2 years - < 3 years		0.3	1.3	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	3 years - < 6 years		0.4	2	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	6 years - < 9 years		0.5	2.4	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	9 years - < 12 years		0.7	2.5	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	12 years - < 15 years		0.8	2.8	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	15 years - < 45 years		0.8	2.8	g/L	Protein Reference Unit
Immunoglobulin A	N/A	IGA	B	≥45 years		0.8	4	g/L	Protein Reference Unit

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Immunoglobulin G	N/A	IGG	B	≤14 days		5	17	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	14 days - < 30 days		3.9	13	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	1 month - < 3 months		2.1	7.7	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	3 months - < 6 months		2.4	8.8	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	6 months - < 9 months		3	9	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	9 months - < 1 year		3	10.9	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	1 year - < 2 years		3.1	13.8	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	2 years - < 3 years		3.7	15.8	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	3 years - < 6 years		4.9	16.1	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	6 years - < 9 years		5.4	16.1	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	9 years - < 12 years		5.4	16.1	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	12 years - < 15 years		5.4	16.1	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	15 years - < 45 years		6	16	g/L	Protein Reference Unit
Immunoglobulin G	N/A	IGG	B	≥45 years		6	16	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	≤14 days		0.05	0.2	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	14 days - < 30 days		0.08	0.4	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	1 month - < 3 months		0.15	0.7	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	3 months - < 6 months		0.2	1	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	6 months - < 9 months		0.4	1.6	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	9 months - < 1 year		0.6	2.1	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	1 year - < 2 years		0.5	2.2	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	2 years - < 3 years		0.5	2.2	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	3 years - < 6 years		0.5	2	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	6 years - < 9 years		0.5	1.8	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	9 years - < 12 years		0.5	1.8	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	12 years - < 15 years		0.5	1.9	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	15 years - < 45 years		0.5	1.9	g/L	Protein Reference Unit
Immunoglobulin M	N/A	IGM	B	≥45 years		0.5	2	g/L	Protein Reference Unit
Iron	23/05/2019	IRON	B	18+ years		5.83	34.5	umol/L	Method Kit Insert
Iron	23/05/2019	IRON	F	<30 days		5.2	22.7	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	1 month - < 1 year		4.5	22.6	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	1 year - < 4 years		4.5	18.1	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	4 years - < 7 years		5	16.7	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	7 years - < 10 years		5.4	18.6	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	10 years - < 13 years		5.7	18.6	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	13 years - < 16 years		5.4	19.5	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	F	16 years - < 18 years		5.9	18.3	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	<30 days		5.7	20	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	1 month - < 1 year		4.8	19.5	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	1 year - < 4 years		5.2	16.3	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	4 years - < 7 years		4.5	20.6	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	7 years - < 10 years		4.8	17.2	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	10 years - < 13 years		5	20	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	13 years - < 16 years		4.7	19.7	umol/L	Roche Supplied Ranges for Children and Adults 2008
Iron	23/05/2019	IRON	M	16 years - < 18 years		4.8	24.7	umol/L	Roche Supplied Ranges for Children and Adults 2008

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
Lactate	N/A	LACT	B	All		0.60	2.50	mmol/L	Pathology Harmony
LDH (IFCC)	23/05/2019	LDH	F	<20 days		225	600	U/L	Method Kit Insert
LDH (IFCC)	23/05/2019	LDH	F	20d - 15 years		120	300	U/L	Method Kit Insert
LDH (IFCC)	23/05/2019	LDH	F	15+ years		135	214	U/L	Method Kit Insert
LDH (IFCC)	23/05/2019	LDH	M	<20 days		225	600	U/L	Method Kit Insert
LDH (IFCC)	23/05/2019	LDH	M	20d - 15 years		120	300	U/L	Method Kit Insert
LDH (IFCC)	23/05/2019	LDH	M	15+ years		135	225	U/L	Method Kit Insert
LH	23/05/2019	LH2	F	< 4 weeks	CRR	N/A	N/A	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	F	1 month - < 1 year		0	0.4	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	F	1 year - < 7 years		0	0.5	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	F	6 years - < 11 years		0	3.1	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	F	11 years - < 14 years		0	11.9	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	F	14 years - < 18 years		0.5	41.7	U/L	Mayo Clinic Laboratories derived
LH	22/05/2019	LH2	F	Follicular	CRR	2.4	12.6	U/L	Method Kit Insert
LH	22/05/2019	LH2	F	Midcycle	CRR	14	96	U/L	Method Kit Insert
LH	22/05/2019	LH2	F	Luteal	CRR	1	11.4	U/L	Method Kit Insert
LH	22/05/2019	LH2	F	Post-Menopausal	CRR	7.7	58.5	U/L	Method Kit Insert
LH	23/05/2019	LH2	M	< 4 weeks	CRR	N/A	N/A	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	M	1 month - < 1 year		0	0.4	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	M	1 year - < 7 years		0	1.3	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	M	6 years - < 11 years		0	1.4	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	M	11 years - < 14 years		0.1	7.8	U/L	Mayo Clinic Laboratories derived
LH	23/05/2019	LH2	M	14 years - < 18 years		1.3	9.8	U/L	Mayo Clinic Laboratories derived
LH	22/05/2019	LH2	M	18+ years		1.7	8.6	U/L	Method Kit Insert
Lithium	N/A	LITH	B	All		0.4	1	mmol/L	Pathology Harmony
Magnesium	23/05/2019	MG	B	<4 weeks		0.60	1.00	mmol/L	Pathology Harmony
Magnesium	23/05/2019	MG	B	4 weeks - < 1 year		0.70	1.00	mmol/L	Pathology Harmony
Magnesium	23/05/2019	MG	B	1 year - < 16 years		0.70	1.00	mmol/L	Pathology Harmony
Magnesium	23/05/2019	MG	B	16+ years		0.70	1.00	mmol/L	Pathology Harmony
NTpro BNP	N/A	NBNP	B	All		LC	-	pg/ml	NICE NG106
Osmolality	23/05/2019	OSMO	B	<4 weeks		275	295	mmol/kg	N/A
Osmolality	23/05/2019	OSMO	B	4 weeks - < 1 year		275	295	mmol/kg	N/A
Osmolality	23/05/2019	OSMO	B	1 year - < 16 years		275	295	mmol/kg	N/A
Osmolality	23/05/2019	OSMO	B	16+ years		275	295	mmol/kg	Pathology Harmony
Paracetamol	N/A	PARA	B	All		N/A	N/A	mg/L	Pathology Harmony
Phosphate	N/A	PHOS	B	<4 weeks		1.30	2.60	mmol/L	Pathology Harmony
Phosphate	N/A	PHOS	B	4 weeks - < 1 year		1.30	2.40	mmol/L	Pathology Harmony
Phosphate	N/A	PHOS	B	1 year - < 16 years		0.90	1.80	mmol/L	Pathology Harmony
Phosphate	N/A	PHOS	B	16+ years		0.80	1.50	mmol/L	Pathology Harmony

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
Potassium	N/A	K	B	<4 weeks		3.40	6.00	mmol/L	Pathology Harmony
Potassium	N/A	K	B	4 weeks - < 1 year		3.50	5.70	mmol/L	Pathology Harmony
Potassium	N/A	K	B	1 year - < 16 years		3.50	5.00	mmol/L	Pathology Harmony
Potassium	N/A	K	B	16+ years		3.50	5.30	mmol/L	Pathology Harmony
Progesterone	22/05/2019	PRG3	B	<16 years	CRR	N/A	-	nmol/L	N/A
Progesterone	22/05/2019	PRG3	F	Follicular	CRR	0.18	2.84	nmol/L	Method Kit Insert
Progesterone	22/05/2019	PRG3	F	Midcycle	CRR	0.39	38.1	nmol/L	Method Kit Insert
Progesterone	22/05/2019	PRG3	F	Luteal	CRR	5.82	75.9	nmol/L	Method Kit Insert
Progesterone	22/05/2019	PRG3	F	Post-Menopausal	CRR	-	0.4	nmol/L	Method Kit Insert
Progesterone	22/05/2019	PRG3	M	16+ years		-	0.47	nmol/L	Method Kit Insert
Prolactin	15/10/2019	PRL3	B	0 - 30 days		1036	7754	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	B	31 - 60 days		794	4834	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	B	61 - 90 days		16	3240	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	B	3 months - < 6 months		133	3233	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	B	6 months - < 9 months		142	2543	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	B	9 months - < 1 year		173	1271	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	F	1 year		113	1340	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	F	2 years - < 5 years		96	994	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	F	5 years - < 9 years		79	727	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	F	9 years - < 12years		77	853	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	F	12 years - < 17 years		99	936	mU/L	B-CLIN-AUD-20
Prolactin	22/05/2019	PRL3	F	17+ years		102	496	mU/L	Method Kit Insert
Prolactin	15/10/2019	PRL3	M	1 year		110	1223	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	M	2 years - < 5 years		97	1113	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	M	5 years - < 9 years		82	683	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	M	9 years - < 12years		71	863	mU/L	B-CLIN-AUD-20
Prolactin	15/10/2019	PRL3	M	12 years - < 17 years		77	747	mU/L	B-CLIN-AUD-20
Prolactin	22/05/2019	PRL3	M	17+ years		86	324	mU/L	Method Kit Insert
Protein, Total	23/05/2019	TP	B	<15 days		51	80	g/L	CALIPER
Protein, Total	23/05/2019	TP	B	15 days - <1 year		43	69	g/L	CALIPER
Protein, Total	23/05/2019	TP	B	1 year - < 6 years		59	73	g/L	CALIPER
Protein, Total	23/05/2019	TP	B	6 years - < 9 years		62	75	g/L	CALIPER
Protein, Total	23/05/2019	TP	B	9 years - < 19 years		63	78	g/L	CALIPER
Protein, Total	23/05/2019	TP	B	19+ years		60	80	g/L	Pathology Harmony
PSA, Total	22/05/2019	PSA	B	All	LC	N/A	N/A	ug/L	Prostate Cancer Risk Mgt Programme
PTH	N/A	PTH	B	All		1.6	6.9	pmol/L	Method Kit Insert
Rheumatoid Factor	N/A	RHF	B	All		-	<14	IU/ml	Method Kit Insert

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
Salicylate	N/A	SALI	B	16+ years		N/A	N/A	mg/L	Pathology Harmony
SHBG	N/A	SHBG	F	<20 years	CRR	N/A	N/A	nmol/L	N/A
SHBG	N/A	SHBG	F	20 years - 49 years		24.6	122	nmol/L	Testosterone Method Kit Insert
SHBG	N/A	SHBG	F	50+ years		17.3	125	nmol/L	Testosterone Method Kit Insert
SHBG	N/A	SHBG	M	<20 years	CRR	N/A	N/A	nmol/L	N/A
SHBG	N/A	SHBG	M	20 years - 49 years		16.5	55.9	nmol/L	Testosterone Method Kit Insert
SHBG	N/A	SHBG	M	50+ years		19.3	76.4	nmol/L	Testosterone Method Kit Insert
Sodium	N/A	NA	B	All		133	146	mmol/L	Pathology Harmony
T3, Free	N/A	FT3	B	<7 days		2.65	9.68	pmol/L	Roche Supplied Ranges for Children and Adults 2008
T3, Free	N/A	FT3	B	1 week - < 3 months		3.00	9.28	pmol/L	Roche Supplied Ranges for Children and Adults 2008
T3, Free	N/A	FT3	B	3 months +		3.10	6.80	pmol/L	Method Kit Insert
T4, Free	N/A	FT4	B	< 7 days		11.0	32.0	pmol/L	Roche Supplied Ranges for Children and Adults 2008
T4, Free	N/A	FT4	B	1 week - < 3 months		11.5	28.3	pmol/L	Roche Supplied Ranges for Children and Adults 2008
T4, Free	N/A	FT4	B	3 months +		12.0	22.0	pmol/L	Method Kit Insert
Testosterone	23/05/2019	TEST	F	< 6 years		0.1	0.4	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	F	6 years - < 10 years		0.2	0.5	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	F	10 years - < 15 years		0.5	1.7	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	F	15 years - < 17 years		0.4	1.8	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	F	17 years - < 19 years		0.6	1.7	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	F	19 years - < 50 years		0.3	1.7	nmol/L	Method Kit Insert
Testosterone	23/05/2019	TEST	F	50+ years		0.1	1.4	nmol/L	Method Kit Insert
Testosterone	23/05/2019	TEST	M	< 7 years		0.1	1.1	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	7 years - < 10 years		0.1	0.9	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	10 years - < 13 years		0.2	14.5	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	13 years - < 15 years		0.2	22.5	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	15 years - < 17 years		1.5	30.5	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	17 years - < 19 years		4.2	28.6	nmol/L	LCMS paper
Testosterone	23/05/2019	TEST	M	19 years - < 50 years		8.6	29.0	nmol/L	Method Kit Insert
Testosterone	23/05/2019	TEST	M	50+ years		6.7	25.7	nmol/L	Method Kit Insert
Theophylline	N/A	THEO	B	16+ years		10	20	mg/L	Pathology Harmony
TPO	23/05/2019	ATP2	B	<1 week		0	117	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	6 days - < 4 months		0	47	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	4 months - < 1 year		0	32	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	1 year - < 7 years		0	13	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	7 years - < 12 years		0	18	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	12 years - < 20 years		0	26	IU/ml	Roche Supplied Ranges for Children and Adults 2008
TPO	23/05/2019	ATP2	B	20+ years		0	34	IU/ml	Roche Supplied Ranges for Children and Adults 2008
Triglycerides	N/A	TRIG	B	16+ years	LC	N/A	N/A	mmol/L	NICE CG181
Troponin T	N/A	TROP	B	16+ years			<14	ng/L	Method Kit Insert

Name	Completed on	Code	Sex	Age	LC/CRR	Low	High	Units	Reference
TSH	22/05/2019	TSH	B	<2 days	CRR	N/A	N/A	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	N/A	TSH	B	2 days - < 6 days		0.7	15.2	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	N/A	TSH	B	6 days - < 4 months		0.72	11	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	22/05/2019	TSH	B	4 months - < 1 year		0.73	8.35	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	22/05/2019	TSH	B	1 year - < 7 years		0.7	5.97	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	22/05/2019	TSH	B	7 years - < 12 years		0.6	4.84	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	22/05/2019	TSH	B	12 years - < 20 years		0.51	4.3	mU/L	Roche Supplied Ranges for Children and Adults 2008
TSH	N/A	TSH	B	20+ years		0.27	4.2	mU/L	Method Kit Insert
Urate	23/05/2019	UA	B	<15 days		158	748	umol/L	CALIPER
Urate	23/05/2019	UA	B	15 days - < 1 year		88	370	umol/L	CALIPER
Urate	23/05/2019	UA	B	1 year - < 12 years		100	282	umol/L	CALIPER
Urate	23/05/2019	UA	F	12 years - < 19 years		147	342	umol/L	CALIPER
Urate	N/A	UA	F	19+ years		140	360	umol/L	Pathology Harmony
Urate	23/05/2019	UA	M	12 years - < 19 years		150	446	umol/L	CALIPER
Urate	N/A	UA	M	19+ years		200	430	umol/L	Pathology Harmony
Urea	N/A	UREA	B	<4 weeks		0.80	5.50	mmol/L	Pathology Harmony
Urea	N/A	UREA	B	4 weeks - < 1 year		1.00	5.50	mmol/L	Pathology Harmony
Urea	N/A	UREA	B	1 year - < 16 years		2.50	6.50	mmol/L	Pathology Harmony
Urea	N/A	UREA	B	16+ years		2.50	7.80	mmol/L	Pathology Harmony
Urine 24hr Calcium	N/A	YCA	B	16+ years		2.5	7.5	mmol/24hr	Pathology Harmony
Urine 24hr Phosphate	N/A	YPHO	B	16+ years		15	50	mmol/24hr	Pathology Harmony
Urine 24hr Urate	N/A	YUA	B	16+ years		1.5	4.5	umol/24hr	Pathology Harmony
Urine Albumin	N/A	UALB	B	16+ years		N/A	N/A	mg/L	N/A
Urine Albumin/Creatinine Ratio	N/A	UACT	B	All	LC	N/A	N/A	mg/mmol	NICE 2014/KDIGO 2012
Urine Creatinine	N/A	UCRE	F	18+ years		6000	13000	umol/24hr	Method Kit Insert
Urine Creatinine	N/A	UCRE	M	18+ years		9000	19000	umol/24hr	Method Kit Insert
Urine Osmolality	N/A	UOSM	B	All		N/A	N/A	mmol/kg	N/A
Urine Potassium (random)	N/A	UK	B	All		20	80	mmol/L	Roche Supplied Ranges for Children and Adults 2008
Urine Sodium (random)	N/A	UNA	B	All		54	190	mmol/L	Roche Supplied Ranges for Children and Adults 2008
Urine Total Protein	N/A	UTP	B	<18 years		N/A	N/A	g/L	N/A
Urine Total Protein	N/A	UTP	B	18+ years		N/A	N/A	g/L	N/A
Urine Total Protein/Creatinine Ratio	N/A	UTPC	B	<18 years		-	<20	mg/mmol	KDIGO 2012
Urine Total Protein/Creatinine Ratio	N/A	UTPC	B	18+ years		-	<15	mg/mmol	KDIGO 2012
Urine Urea	N/A	UURE	B	All		N/A	N/A	mmol/L	N/A
Vancomycin	N/A	VANC	B	All	CRR	N/A	N/A	mg/L	N/A
Vitamin B12	N/A	B12	B	All		197	771	ng/L	Method Kit Insert
Vitamin D	N/A	VD	B	16+ years	LC	N/A	N/A	nmol/L	NICE CKS guidance on treatment