

SydPath Reference Intervals for Clinical Trials (Contract Pathology Unit)

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
HAEMATOLOGY							
APTT	1	150	M	25	35	sec	
APTT	1	150	F	25	35	sec	
Basophils	Cord	2 weeks	M	0.0	0.4	10 ⁹ /L	
Basophils	Cord	2 weeks	F	0.0	0.4	10 ⁹ /L	
Basophils	2 wks	3 mths	M	0.0	0.2	10 ⁹ /L	
Basophils	2 wks	3 mths	F	0.0	0.2	10 ⁹ /L	
Basophils	3 mths	6 mths	M	0.0	0.1	10 ⁹ /L	
Basophils	3 mths	6 mths	F	0.0	0.1	10 ⁹ /L	
Basophils	6 mths	2 yrs	M	0.0	0.1	10 ⁹ /L	
Basophils	6 mths	2 yrs	F	0.0	0.1	10 ⁹ /L	
Basophils	2 yrs	4 yrs	M	0.0	0.1	10 ⁹ /L	
Basophils	2 yrs	4 yrs	F	0.0	0.1	10 ⁹ /L	
Basophils	4 yrs	8 yrs	M	0.0	0.1	10 ⁹ /L	
Basophils	4 yrs	8 yrs	F	0.0	0.1	10 ⁹ /L	
Basophils	8 yrs	12 yrs	M	0.0	0.1	10 ⁹ /L	
Basophils	8 yrs	12 yrs	F	0.0	0.1	10 ⁹ /L	
Basophils	12	150	M	0.0	0.1	10 ⁹ /L	
Basophils	12	150	F	0.0	0.1	10 ⁹ /L	
Basophils	0	150	M			%	
Basophils	0	150	F			%	
Eosinophils	Cord	2 weeks	M	0.0	1.3	10 ⁹ /L	
Eosinophils	Cord	2 weeks	F	0.0	1.3	10 ⁹ /L	
Eosinophils	2 wks	3 mths	M	0.0	1.0	10 ⁹ /L	
Eosinophils	2 wks	3 mths	F	0.0	1.0	10 ⁹ /L	
Eosinophils	3 mths	6 mths	M	0.0	1.0	10 ⁹ /L	
Eosinophils	3 mths	6 mths	F	0.0	1.0	10 ⁹ /L	
Eosinophils	6 mths	2 yrs	M	0.0	1.0	10 ⁹ /L	
Eosinophils	6 mths	2 yrs	F	0.0	1.0	10 ⁹ /L	
Eosinophils	2 yrs	4 yrs	M	0.0	1.0	10 ⁹ /L	
Eosinophils	2 yrs	4 yrs	F	0.0	1.0	10 ⁹ /L	
Eosinophils	4 yrs	8 yrs	M	0.0	1.0	10 ⁹ /L	
Eosinophils	4 yrs	8 yrs	F	0.0	1.0	10 ⁹ /L	
Eosinophils	8 yrs	12 yrs	M	0.0	1.0	10 ⁹ /L	
Eosinophils	8 yrs	12 yrs	F	0.0	1.0	10 ⁹ /L	
Eosinophils	12	150	M	0.0	0.4	10 ⁹ /L	
Eosinophils	12	150	F	0.0	0.4	10 ⁹ /L	
Eosinophils	0	150	M			%	
Eosinophils	0	150	F			%	
Erythropoietin	1	150	M	4	19	mIU/mL	
Erythropoietin	1	150	F	4	19	mIU/mL	
ESR	12	150	M	0	10	mm/h	
ESR	12	150	F	0	10	mm/h	
Fibrinogen	0	150	M	2.0	4.0	g/L	
Fibrinogen	0	150	F	2.0	4.0	g/L	
Haematocrit	Cord	2 weeks	M	0.37	0.60		
Haematocrit	Cord	2 weeks	F	0.37	0.60		
Haematocrit	2 wks	3 mths	M	0.30	0.40		
Haematocrit	2 wks	3 mths	F	0.30	0.40		
Haematocrit	3 mths	6 mths	M	0.28	0.40		
Haematocrit	3 mths	6 mths	F	0.28	0.40		
Haematocrit	6 mths	2 yrs	M	0.30	0.40		
Haematocrit	6 mths	2 yrs	F	0.30	0.40		
Haematocrit	2 yrs	4 yrs	M	0.30	0.40		
Haematocrit	2 yrs	4 yrs	F	0.30	0.40		
Haematocrit	4 yrs	8 yrs	M	0.30	0.40		
Haematocrit	4 yrs	8 yrs	F	0.30	0.40		
Haematocrit	8 yrs	12 yrs	M	0.30	0.45		
Haematocrit	8 yrs	12 yrs	F	0.30	0.45		
Haematocrit	12	150	M	0.40	0.54		
Haematocrit	12	150	F	0.37	0.47		
Haemoglobin	Cord	2 weeks	M	120	220	g/L	
Haemoglobin	Cord	2 weeks	F	120	220	g/L	
Haemoglobin	2 wks	3 mths	M	100	130	g/L	
Haemoglobin	2 wks	3 mths	F	100	130	g/L	
Haemoglobin	3 mths	6 mths	M	100	120	g/L	
Haemoglobin	3 mths	6 mths	F	100	120	g/L	
Haemoglobin	6 mths	2 yrs	M	100	130	g/L	

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HAEMATOLOGY							
Haemoglobin	6 mths	2 yrs	F	100	130	g/L	
Haemoglobin	2 yrs	4 yrs	M	100	140	g/L	
Haemoglobin	2 yrs	4 yrs	F	100	140	g/L	
Haemoglobin	4 yrs	8 yrs	M	110	140	g/L	
Haemoglobin	4 yrs	8 yrs	F	110	140	g/L	
Haemoglobin	8 yrs	12 yrs	M	110	145	g/L	
Haemoglobin	8 yrs	12 yrs	F	110	145	g/L	
Haemoglobin	12	150	M	130	180	g/L	
Haemoglobin	12	150	F	115	165	g/L	
INR	0	150	M				
INR	0	150	F				
Lymphocytes	Cord	2 weeks	M	2.0	9.0	10 ⁹ /L	
Lymphocytes	Cord	2 weeks	F	2.0	9.0	10 ⁹ /L	
Lymphocytes	2 wks	3 mths	M	3.0	9.0	10 ⁹ /L	
Lymphocytes	2 wks	3 mths	F	3.0	9.0	10 ⁹ /L	
Lymphocytes	3 mths	6 mths	M	3.0	10.0	10 ⁹ /L	
Lymphocytes	3 mths	6 mths	F	3.0	10.0	10 ⁹ /L	
Lymphocytes	6 mths	2 yrs	M	2.0	9.0	10 ⁹ /L	
Lymphocytes	6 mths	2 yrs	F	2.0	9.0	10 ⁹ /L	
Lymphocytes	2 yrs	4 yrs	M	2.0	7.0	10 ⁹ /L	
Lymphocytes	2 yrs	4 yrs	F	2.0	7.0	10 ⁹ /L	
Lymphocytes	4 yrs	8 yrs	M	1.5	5.5	10 ⁹ /L	
Lymphocytes	4 yrs	8 yrs	F	1.5	5.5	10 ⁹ /L	
Lymphocytes	8 yrs	12 yrs	M	1.5	4.5	10 ⁹ /L	
Lymphocytes	8 yrs	12 yrs	F	1.5	4.5	10 ⁹ /L	
Lymphocytes	12	150	M	1.5	4.0	10 ⁹ /L	
Lymphocytes	12	150	F	1.5	4.0	10 ⁹ /L	
Lymphocytes	0	150	M			%	
Lymphocytes	0	150	F			%	
MCH	Cord	2 weeks	M	30.0	38.0	pg	
MCH	Cord	2 weeks	F	30.0	38.0	pg	
MCH	2 wks	3 mths	M	29.0	34.0	pg	
MCH	2 wks	3 mths	F	29.0	34.0	pg	
MCH	3 mths	6 mths	M	23.0	30.0	pg	
MCH	3 mths	6 mths	F	23.0	30.0	pg	
MCH	6 mths	2 yrs	M	23.0	30.0	pg	
MCH	6 mths	2 yrs	F	23.0	30.0	pg	
MCH	2 yrs	4 yrs	M	23.0	30.0	pg	
MCH	2 yrs	4 yrs	F	23.0	30.0	pg	
MCH	4 yrs	8 yrs	M	26.0	31.0	pg	
MCH	4 yrs	8 yrs	F	26.0	31.0	pg	
MCH	8 yrs	12 yrs	M	26.0	31.0	pg	
MCH	8 yrs	12 yrs	F	26.0	31.0	pg	
MCH	12	150	M	27.0	32.0	pg	
MCH	12	150	F	27.0	32.0	pg	
MCHC	0	150	M	320	360	g/L	
MCHC	0	150	F	320	360	g/L	
MCV	Cord	2 weeks	M	100	120	fL	
MCV	Cord	2 weeks	F	100	120	fL	
MCV	2 wks	3 mths	M	84	100	fL	
MCV	2 wks	3 mths	F	84	100	fL	
MCV	3 mths	6 mths	M	68	85	fL	
MCV	3 mths	6 mths	F	68	85	fL	
MCV	6 mths	2 yrs	M	70	85	fL	
MCV	6 mths	2 yrs	F	70	85	fL	
MCV	2 yrs	4 yrs	M	70	90	fL	
MCV	2 yrs	4 yrs	F	70	90	fL	
MCV	4 yrs	8 yrs	M	75	90	fL	
MCV	4 yrs	8 yrs	F	75	90	fL	
MCV	8 yrs	12 yrs	M	75	90	fL	
MCV	8 yrs	12 yrs	F	75	90	fL	
MCV	12	150	M	76	96	fL	
MCV	12	150	F	76	96	fL	
Monocytes	Cord	2 weeks	M	0.2	4.0	10 ⁹ /L	
Monocytes	Cord	2 weeks	F	0.2	4.0	10 ⁹ /L	
Monocytes	2 wks	3 mths	M	0.2	1.1	10 ⁹ /L	
Monocytes	2 wks	3 mths	F	0.2	1.1	10 ⁹ /L	

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
HAEMATOLOGY							
Monocytes	3 mths	6 mths	M	0.2	1.1	10 ⁹ /L	
Monocytes	3 mths	6 mths	F	0.2	1.1	10 ⁹ /L	
Monocytes	6 mths	2 yrs	M	0.2	1.1	10 ⁹ /L	
Monocytes	6 mths	2 yrs	F	0.2	1.1	10 ⁹ /L	
Monocytes	2 yrs	4 yrs	M	0.2	1.0	10 ⁹ /L	
Monocytes	2 yrs	4 yrs	F	0.2	1.0	10 ⁹ /L	
Monocytes	4 yrs	8 yrs	M	0.2	1.0	10 ⁹ /L	
Monocytes	4 yrs	8 yrs	F	0.2	1.0	10 ⁹ /L	
Monocytes	8 yrs	12 yrs	M	0.2	1.0	10 ⁹ /L	
Monocytes	8 yrs	12 yrs	F	0.2	1.0	10 ⁹ /L	
Monocytes	12	150	M	0.2	1.0	10 ⁹ /L	
Monocytes	12	150	F	0.2	1.0	10 ⁹ /L	
Monocytes	0	150	M			%	
Monocytes	0	150	F			%	
Neutrophils	Cord	2 weeks	M	4.0	21.0	10 ⁹ /L	
Neutrophils	Cord	2 weeks	F	4.0	21.0	10 ⁹ /L	
Neutrophils	2 wks	3 mths	M	1.0	5.0	10 ⁹ /L	
Neutrophils	2 wks	3 mths	F	1.0	5.0	10 ⁹ /L	
Neutrophils	3 mths	6 mths	M	1.0	4.5	10 ⁹ /L	
Neutrophils	3 mths	6 mths	F	1.0	4.5	10 ⁹ /L	
Neutrophils	6 mths	2 yrs	M	1.0	6.0	10 ⁹ /L	
Neutrophils	6 mths	2 yrs	F	1.0	6.0	10 ⁹ /L	
Neutrophils	2 yrs	4 yrs	M	1.5	7.0	10 ⁹ /L	
Neutrophils	2 yrs	4 yrs	F	1.5	7.0	10 ⁹ /L	
Neutrophils	4 yrs	8 yrs	M	1.5	8.0	10 ⁹ /L	
Neutrophils	4 yrs	8 yrs	F	1.5	8.0	10 ⁹ /L	
Neutrophils	8 yrs	12 yrs	M	1.5	8.0	10 ⁹ /L	
Neutrophils	8 yrs	12 yrs	F	1.5	8.0	10 ⁹ /L	
Neutrophils	12	150	M	2.0	7.5	10 ⁹ /L	
Neutrophils	12	150	F	2.0	7.5	10 ⁹ /L	
Neutrophils	0	150	M			%	
Neutrophils	0	150	F			%	
Platelets	Cord	2 weeks	M	150	450	10 ⁹ /L	
Platelets	Cord	2 weeks	F	150	450	10 ⁹ /L	
Platelets	2 wks	3 mths	M	200	650	10 ⁹ /L	
Platelets	2 wks	3 mths	F	200	650	10 ⁹ /L	
Platelets	3 mths	6 mths	M	200	650	10 ⁹ /L	
Platelets	3 mths	6 mths	F	200	650	10 ⁹ /L	
Platelets	6 mths	2 yrs	M	200	550	10 ⁹ /L	
Platelets	6 mths	2 yrs	F	200	550	10 ⁹ /L	
Platelets	2 yrs	4 yrs	M	200	500	10 ⁹ /L	
Platelets	2 yrs	4 yrs	F	200	500	10 ⁹ /L	
Platelets	4 yrs	8 yrs	M	200	500	10 ⁹ /L	
Platelets	4 yrs	8 yrs	F	200	500	10 ⁹ /L	
Platelets	8 yrs	12 yrs	M	150	450	10 ⁹ /L	
Platelets	8 yrs	12 yrs	F	150	450	10 ⁹ /L	
Platelets	12	150	M	150	400	10 ⁹ /L	
Platelets	12	150	F	150	400	10 ⁹ /L	
PT	1	150	M	11	15	sec	
PT	1	150	F	11	15	sec	
RBC	Cord	2 weeks	M	3.3	5.4	10 ¹² L	
RBC	Cord	2 weeks	F	3.3	5.4	10 ¹² L	
RBC	2 wks	3 mths	M	3.3	4.0	10 ¹² L	
RBC	2 wks	3 mths	F	3.3	4.0	10 ¹² L	
RBC	3 mths	6 mths	M	3.3	4.9	10 ¹² L	
RBC	3 mths	6 mths	F	3.3	4.9	10 ¹² L	
RBC	6 mths	2 yrs	M	3.8	5.1	10 ¹² L	
RBC	6 mths	2 yrs	F	3.8	5.1	10 ¹² L	
RBC	2 yrs	4 yrs	M	3.8	5.1	10 ¹² L	
RBC	2 yrs	4 yrs	F	3.8	5.1	10 ¹² L	
RBC	4 yrs	8 yrs	M	3.9	5.1	10 ¹² L	
RBC	4 yrs	8 yrs	F	3.9	5.1	10 ¹² L	
RBC	8 yrs	12 yrs	M	3.9	5.2	10 ¹² L	
RBC	8 yrs	12 yrs	F	3.9	5.2	10 ¹² L	
RBC	12	150	M	4.5	6.5	10 ¹² L	
RBC	12	150	F	3.8	5.8	10 ¹² L	
RDW	Cord	2 weeks	M	11.5	20.0	%	

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
HAEMATOLOGY							
RDW	Cord	2 weeks	F	11.5	20.0	%	
RDW	2 wks	3 mths	M	11.5	16.0	%	
RDW	2 wks	3 mths	F	11.5	16.0	%	
RDW	3 mths	6 mths	M	11.5	16.0	%	
RDW	3 mths	6 mths	F	11.5	16.0	%	
RDW	6 mths	2 yrs	M	11.5	16.0	%	
RDW	6 mths	2 yrs	F	11.5	16.0	%	
RDW	2 yrs	4 yrs	M	11.5	16.0	%	
RDW	2 yrs	4 yrs	F	11.5	16.0	%	
RDW	4 yrs	8 yrs	M	11.5	15.0	%	
RDW	4 yrs	8 yrs	F	11.5	15.0	%	
RDW	8 yrs	12 yrs	M	11.5	14.5	%	
RDW	8 yrs	12 yrs	F	11.5	14.5	%	
RDW	12	150	M	11.5	14.5	%	
RDW	12	150	F	11.5	14.5	%	
Reticulocytes	Cord	2 weeks	M			%	
Reticulocytes	Cord	2 weeks	F			%	
Reticulocytes	2 wks	3 mths	M	0.5	2.5	%	
Reticulocytes	2 wks	3 mths	F	0.5	2.5	%	
Reticulocytes	3 mths	6 mths	M	0.5	2.5	%	
Reticulocytes	3 mths	6 mths	F	0.5	2.5	%	
Reticulocytes	6 mths	2 yrs	M	0.5	2.5	%	
Reticulocytes	6 mths	2 yrs	F	0.5	2.5	%	
Reticulocytes	2 yrs	4 yrs	M	0.5	2.5	%	
Reticulocytes	2 yrs	4 yrs	F	0.5	2.5	%	
Reticulocytes	4 yrs	8 yrs	M	0.5	2.5	%	
Reticulocytes	4 yrs	8 yrs	F	0.5	2.5	%	
Reticulocytes	8 yrs	12 yrs	M	0.5	2.5	%	
Reticulocytes	8 yrs	12 yrs	F	0.5	2.5	%	
Reticulocytes	12	150	M	0.5	2.5	%	
Reticulocytes	12	150	F	0.5	2.5	%	
Reticulocytes	Cord	2 weeks	M	n/a	n/a	10 ⁹ /L	
Reticulocytes	Cord	2 weeks	F	n/a	n/a	10 ⁹ /L	
Reticulocytes	2 wks	3 mths	M	20	65	10 ⁹ /L	
Reticulocytes	2 wks	3 mths	F	20	65	10 ⁹ /L	
Reticulocytes	3 mths	6 mths	M	20	105	10 ⁹ /L	
Reticulocytes	3 mths	6 mths	F	20	105	10 ⁹ /L	
Reticulocytes	6 mths	2 yrs	M	20	105	10 ⁹ /L	
Reticulocytes	6 mths	2 yrs	F	20	105	10 ⁹ /L	
Reticulocytes	2 yrs	4 yrs	M	20	105	10 ⁹ /L	
Reticulocytes	2 yrs	4 yrs	F	20	105	10 ⁹ /L	
Reticulocytes	4 yrs	8 yrs	M	20	105	10 ⁹ /L	
Reticulocytes	4 yrs	8 yrs	F	20	105	10 ⁹ /L	
Reticulocytes	8 yrs	12 yrs	M	20	105	10 ⁹ /L	
Reticulocytes	8 yrs	12 yrs	F	20	105	10 ⁹ /L	
Reticulocytes	12	150	M	20	110	10 ⁹ /L	
Reticulocytes	12	150	F	20	110	10 ⁹ /L	
Thrombin Time	1	150	M	10	12	sec	
Thrombin Time	1	150	F	10	12	sec	
WBC	Cord	2 weeks	M	9.0	30.0	10 ⁹ /L	
WBC	Cord	2 weeks	F	9.0	30.0	10 ⁹ /L	
WBC	2 wks	3 mths	M	5.0	14.0	10 ⁹ /L	
WBC	2 wks	3 mths	F	5.0	14.0	10 ⁹ /L	
WBC	3 mths	6 mths	M	5.0	14.0	10 ⁹ /L	
WBC	3 mths	6 mths	F	5.0	14.0	10 ⁹ /L	
WBC	6 mths	2 yrs	M	5.0	14.0	10 ⁹ /L	
WBC	6 mths	2 yrs	F	5.0	14.0	10 ⁹ /L	
WBC	2 yrs	4 yrs	M	5.0	13.0	10 ⁹ /L	
WBC	2 yrs	4 yrs	F	5.0	13.0	10 ⁹ /L	
WBC	4 yrs	8 yrs	M	4.5	13.0	10 ⁹ /L	
WBC	4 yrs	8 yrs	F	4.5	13.0	10 ⁹ /L	
WBC	8 yrs	12 yrs	M	4.5	13.0	10 ⁹ /L	
WBC	8 yrs	12 yrs	F	4.5	13.0	10 ⁹ /L	
WBC	12	150	M	4.0	11.0	10 ⁹ /L	
WBC	12	150	F	4.0	11.0	10 ⁹ /L	

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CHEMISTRY							
25 - OH Vit D	0	150	M	35	150	nmol/L	
25 - OH Vit D	0	150	F	35	150	nmol/L	
Albumin	0	150	M	36	52	g/L	
Albumin	0	150	F	36	52	g/L	
Albumin excre.	0	150	M	0	29.0	mg/d	
Albumin excre.	0	150	F	0	29.0	mg/d	
Alk. phos.	0	5	M	70	320	U/L	
Alk. phos.	5	10	M	140	360	U/L	
Alk. phos.	10	15	M	90	480	U/L	
Alk. phos.	15	19	M	70	360	U/L	
Alk. phos.	19	150	M	30	100	U/L	
Alk. phos.	0	9	F	140	360	U/L	
Alk. phos.	9	15	F	50	400	U/L	
Alk. phos.	15	19	F	50	130	U/L	
Alk. phos.	19	150	F	30	100	U/L	
ALT	0	150	M	0	30	U/L	
ALT	0	150	F	0	30	U/L	
Amylase	0	150	M	0	100	U/L	
Amylase	0	150	F	0	100	U/L	
AST	0	150	M	0	30	U/L	
AST	0	150	F	0	30	U/L	
Bicarbonate	0	150	M	24	31	mmol/L	
Bicarbonate	0	150	F	24	31	mmol/L	
Bilirubin - conj. *	0	150	M	0	10	umol/L	
Bilirubin - conj. *	0	150	F	0	10	umol/L	
Bilirubin - Total *	0	150	M	0	18	umol/L	
Bilirubin - Total *	0	150	F	0	18	umol/L	
Bilirubin - Unconj. *	0	150	M	0	18	umol/L	
Bilirubin - Unconj. *	0	150	F	0	18	umol/L	
Caeruloplasmin	0	150	M	250	630	mg/L	
Caeruloplasmin	0	150	F	250	630	mg/L	
Calcium	0	150	M	2.10	2.60	mmol/L	
Calcium	0	150	F	2.10	2.60	mmol/L	
Chloride	0	150	M	95	110	mmol/L	
Chloride	0	150	F	95	110	mmol/L	
Cholesterol	0	150	M	0	6.0	mmol/L	
Cholesterol	0	150	F	0	6.0	mmol/L	
Cortisol	0	150	M	200	700	nmol/L	
Cortisol	0	150	F	200	700	nmol/L	
C-peptide	0	150	M	0.7	2.5	ug/L	
C-peptide	0	150	F	0.7	2.5	ug/L	
Creat. excret.	0	150	M	5	16	mmol/d	
Creat. excret.	0	150	F	5	16	mmol/d	
Creat.Cl(calc)	0	150	M	1.5	2.5	mL/s	
Creat.Cl(calc)	0	150	F	1.5	2.5	mL/s	
Creat.Cl(calc)	0	150	M	90	150	mL/min	
Creat.Cl(calc)	0	150	F	90	150	mL/min	
Creatinine kinase	0	150	M	0	130	U/L	
Creatinine kinase	0	150	F	0	110	U/L	
CKMB	0	150	M	0	5.0	ug/L	
CKMB	0	150	F	0	5.0	ug/L	
Creatinine	0	150	M	60	120	umol/L	
Creatinine	0	150	F	40	90	umol/L	
CRP	0	150	M		<10.0	mg/L	
CRP	0	150	F		<10.0	mg/L	
Digoxin	0	150	M	0.5	1.0	ug/L	
Digoxin	0	150	F	0.5	1.0	ug/L	
Ferritin	0	16	M	20	200	ug/L	
Ferritin	16	150	M	30	400	ug/L	

SydPath Reference Intervals for Clinical Trials (Contract Pathology Unit)

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
CHEMISTRY							
Ferritin	0	16	F	20	200	ug/L	
Ferritin	16	50	F	15	150	ug/L	
Ferritin	50	150	F	30	400	ug/L	
Free T3	1	150	M	3.0	6.2	pmol/L	08/10/09
Free T3	1	150	F	3.0	6.2	pmol/L	08/10/09
Free Testost.	0	150	M	31.0	163.0	pmol/L	
Free Testost.	0	150	F	2.4	12.5	pmol/L	
Free thyroxine*	1	150	M	11.0	22.0	pmol/L	08/10/09
Free thyroxine*	1	150	F	11.0	22.0	pmol/L	08/10/09
GGT	0	150	M	0	35	U/L	
GGT	0	150	F	0	35	U/L	
Globulins	0	150	M	22	38	g/L	
Globulins	0	150	F	22	38	g/L	
Glucose-fasting	0	150	M	3.0	5.5	mmol/L	
Glucose-fasting	0	150	F	3.0	5.5	mmol/L	
Glucose-random	0	150	M	3.0	7.8	mmol/L	
Glucose-random	0	150	F	3.0	7.8	mmol/L	
Growth hormone	0	150	M	0	10.0	mU/L	
Growth hormone	0	150	F	0	10.0	mU/L	
HBA1c ¹	0	150	M		<6.0	%	
HBA1c ¹	0	150	F		<6.0	%	
HDL Cholesterol	0	150	M	>1.0		mmol/L	
HDL Cholesterol	0	150	F	>1.0		mmol/L	
Insulin	0	150	M	0.0	17.0	mU/L	
Insulin	0	150	F	0.0	17.0	mU/L	
Ionised calcium	0	150	M	1.15	1.30	mmol/L	
Ionised calcium	0	150	F	1.15	1.30	mmol/L	
Lactate	0	150	M	0.0	2.2	mmol/L	
Lactate	0	150	F	0.0	2.2	mmol/L	
LDH	0	150	M	0	430	U/L	
LDH	0	150	F	0	430	U/L	
LDL Cholesterol	0	150	M	0.0	4.0	mmol/L	
LDL Cholesterol	0	150	F	0.0	4.0	mmol/L	
Lipase	0	150	M	0	60	U/L	
Lipase	0	150	F	0	60	U/L	
Magnesium	0	150	M	0.70	1.05	mmol/L	
Magnesium	0	150	F	0.70	1.05	mmol/L	
MB Index	0	150	M	0.0	3.0		
MB Index	0	150	F	0.0	3.0		
Neopterin	0	150	M	0	13	nmol/L	
Neopterin	0	150	F	0	13	nmol/L	
Osmolality	0	150	M	275	295	mM/kg	
Osmolality	0	150	F	275	295	mM/kg	
Osteocalcin	0	150	M	3.0	18.0	ug/L	
Osteocalcin	0	150	F	3.0	18.0	ug/L	
Phosphate	0	150	M	0.70	1.40	mmol/L	
Phosphate	0	150	F	0.70	1.40	mmol/L	
Potassium	0	150	M	3.5	5.0	mmol/L	
Potassium	0	150	F	3.5	5.0	mmol/L	
Prealbumin	0	150	M	190	400	mg/L	
Prealbumin	0	150	F	190	400	mg/L	
Prolactin	0	150	M	50	350	mIU/L	24/11/09
Prolactin	0	150	F	50	500	mIU/L	24/11/09
PSA	20	40	M	0.00	2.50	ug/L	23/02/10

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
CHEMISTRY							
PSA	40	50	M	0.00	3.00	ug/L	23/02/10
PSA	50	60	M	0.00	4.00	ug/L	23/02/10
PSA	60	150	M	0.00	5.50	ug/L	23/02/10
PTH (Intact)	0	150	M	1.0	7.0	pmol/L	
PTH (Intact)	0	150	F	1.0	7.0	pmol/L	
PTHrP ¹	0	150	M		<1.3	pmol/L	
PTHrP ¹	0	150	F		<1.3	pmol/L	
Red Cell Folate	0	150	M	> 630		nmol/L	
Red Cell Folate	0	150	F	> 630		nmol/L	
Serum B12	0	150	M	>180		pmol/L	
Serum B12	0	150	F	>180		pmol/L	
Serum Folate	1	150	M	> 8.0		nmol/L	
Serum Folate	1	150	F	> 8.0		nmol/L	
Serum Iron	1	150	M	10	30	umol/L	
Serum Iron	1	150	F	10	30	umol/L	
SHBG	0	150	M	10.0	70.0	nmol/L	
SHBG	0	150	F	20.0	120.0	nmol/L	
Sodium	0	150	M	137	146	mmol/L	
Sodium	0	150	F	137	146	mmol/L	
Total protein	0	150	M	66	82	g/L	
Total protein	0	150	F	66	82	g/L	
Transferrin	1	150	M	2.0	3.5	g/L	
Transferrin	1	150	F	2.0	3.5	g/L	
Transferrin Sat	1	150	M	15	50	%	
Transferrin Sat	1	150	F	15	50	%	
Triglycerides	0	150	M	0.0	2.0	mmol/L	
Triglycerides	0	150	F	0.0	2.0	mmol/L	
Troponin I ¹	0	150	M		<0.06	ug/L	
Troponin I ¹	0	150	F		<0.06	ug/L	
TSH*	1	150	M	0.40	4.20	mIU/L	08/10/09
TSH*	1	150	F	0.40	4.20	mIU/L	08/10/09
Urea	0	150	M	3.0	8.5	mmol/L	
Urea	0	150	F	3.0	8.5	mmol/L	
Uric acid	0	150	M	0.25	0.50	mmol/L	
Uric acid	0	150	F	0.20	0.40	mmol/L	
Urine Amylase (spot)	0	150	M	0	459	U/L	
Urine Amylase (spot)	0	150	F	0	459	U/L	
Urine Creatinine (spot)	0	150	M	8.0	16.0	mmol/L	
Urine Creatinine (spot)	0	150	F	8.0	16.0	mmol/L	

NOTE 1:	Reference range is normally charted in SydPath reports as <X. However, where EDI is required for specific clinical trials, then it is primed in the SydPath test database as 0-X.
NOTE:	Reference range for some analytes is from 0, however the limits of detection of some of these assays may not reach zero. In such instances, SydPath reports as <Limit of Detection (eg for ALT, reference range is from 0-30 U/L. Sydpath reports down to 5, and then <5).
*	Excludes Paediatric Range

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ANALYTE / TEST	SEX	PHASE	REFERENCE LOW	REFERENCE HIGH	SI UNITS	REVISION DATE
Human Chorionic Gonadotrophin (hCG) - serum/plasma						
	F	Pre-menopausal		<10	IU/L	
	F	Post-menopausal		<10	IU/L	
	F	Preg - negative		<10	IU/L	
	F	Preg - borderline	10	25	IU/L	
	F	Preg - positive	>25		IU/L	
	M			<10	IU/L	
Luteinising Hormone (LH):						
	F	Follicular	2.4	13.0	IU/L	8/10/2009
	F	Mid cycle	14.0	97.0	IU/L	8/10/2009
	F	Luteal	1.0	12.0	IU/L	8/10/2009
	F	Post Menopausal	7.7	60.0	IU/L	8/10/2009
	M	Adult	1.7	8.6	IU/L	8/10/2009
	M/F	Child		<2.0	IU/L	
Oestradiol (E2)						
	F	Follicular	75	750	pmol/L	
	F	Mid cycle	500	1500	pmol/L	
	F	Luteal	150	600	pmol/L	
	F	Post menopausal		<100	pmol/L	
	F	Preg - 1st Trim		<11	nmol/L	
	F	Preg - 2nd Trim	8	20	nmol/L	
	F	Preg - 3rd Trim	11	130	nmol/L	
	M	Adult	50	150	pmol/L	
Testosterone (TESTO)						
	F	Adult		<3.0	nmol/L	
	M	Adult	12.0	36.0	nmol/L	
	M	Early Puberty	3.0	12.0	nmol/L	
	M/F	Child		<3.0	nmol/L	
Follicle Stimulating Hormone (FSH):						
	F	Follicular	3.5	13.0	IU/L	8/10/2009
	F	Mid cycle	4.7	22.0	IU/L	8/10/2009
	F	Luteal	1.7	7.7	IU/L	8/10/2009
	F	Post Menopausal	25.0	140.0	IU/L	8/10/2009
	M	Adult	1.5	13.0	IU/L	8/10/2009
Progesterone:						
	F	Follicular	0.0	5.0	nmol/L	
	F	Luteal	>15.0		nmol/L	
	F	Pregnancy	30.0	120	nmol/L	
	M	Adult	0.0	3.0	nmol/L	

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ANALYTE / TEST	AGE	SEX	NORMAL RESULT	CUT/OFF ≤	SI UNITS	REVISION DATE
Urine Drug Screens						
Amphetamines	All Ages	M/F	Negative	300	ug/L	
Barbituates	All Ages	M/F	Negative	200	ug/L	
Benzodiazepines	All Ages	M/F	Negative	200	ug/L	
Cannabinoids	All Ages	M/F	Negative	50	ug/L	
Cocaine	All Ages	M/F	Negative	300	ug/L	
Methadone	All Ages	M/F	Negative	300	ug/L	
Methaqualone	All Ages	M/F	Negative	300	ug/L	
Opiates	All Ages	M/F	Negative	300	ug/L	
Phencyclidine	All Ages	M/F	Negative	25	ug/L	
Propoxyphene	All Ages	M/F	Negative	300	ug/L	
TCA-tricylics	All Ages	M/F	Negative	300	ug/L	

SydPath Reference Intervals for Clinical Trials (Contract Pathology Unit)

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ANALYTE / TEST	LOWER AGE ≥	UPPER AGE <	SEX	LOW	HIGH	UNITS	REVISION DATE
IMMUNOLOGY							
A-1 Antitrypsin	0	150	M	0.9	2.0	g/L	
A-1 Antitrypsin	0	150	F	0.9	2.0	g/L	
Beta2 Microglob	0	150	M		<2.4	mg/L	
Beta2 Microglob	0	150	F		<2.4	mg/L	
C3	0	150	M	0.8	1.8	g/L	
C3	0	150	F	0.8	1.8	g/L	
CD3+ %	0	150	M	59	83	%	
CD3+ %	0	150	F	59	83	%	
CD3+ Count	0	150	M	780	2600	10 ⁶ /L	
CD3+ Count	0	150	F	780	2600	10 ⁶ /L	
CD4:CD8 Ratio	0	150	M	1.4	3.7		
CD4:CD8 Ratio	0	150	F	1.4	3.7		
CD4+ %	0	150	M	30	57	%	
CD4+ %	0	150	F	30	57	%	
CD4+ Count	0	150	M	500	1650	10 ⁶ /L	
CD4+ Count	0	150	F	500	1650	10 ⁶ /L	
CD8+ %	0	150	M	14	35	%	
CD8+ %	0	150	F	14	35	%	
CD8+ Count	0	150	M	210	1000	10 ⁶ /L	
CD8+ Count	0	150	F	210	1000	10 ⁶ /L	
dsDNA	0	150	M		<7	IU/mL	
dsDNA	0	150	F		<7	IU/mL	
Haptoglobin	0	150	M	0.3	2.0	g/L	
Haptoglobin	0	150	F	0.3	2.0	g/L	
IgG	0	3 months	M/F	2.6	7.3	g/L	
IgG	3 months	6 months	M/F	2.0	10.8	g/L	
IgG	6 months	2 years	M/F	2.7	14.7	g/L	
IgG	2	3	M/F	2.5	13.3	g/L	
IgG	3	4	M/F	4.0	12.2	g/L	
IgG	4	6	M/F	5.5	15.4	g/L	
IgG	6	9	M/F	5.5	14.8	g/L	
IgG	9	12	M/F	7.5	14.0	g/L	
IgG	12	16	M/F	7.0	10.5	g/L	
IgG	16	150	M/F	6.7	14.4	g/L	
Rheumatoid Factor	0	150	M		<9	IU/mL	01/07/08
Rheumatoid Factor	0	150	F		<9	IU/mL	01/07/08
Total T cells	0	150	M	780	2600	10 ⁶ /L	
Total T cells	0	150	F	780	2600	10 ⁶ /L	

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ANALYTE / TEST	AGE	SEX	NORMAL RESPONSE	REVISION DATE
SEROLOGY				
Hepatitis B Surface Antigen	All Ages	M/F	Non Reactive (NR)	
Hepatitis C Antibodies	All Ages	M/F	Non Reactive (NR)	
HIV Antibody/Antigen	All Ages	M/F	Non Reactive (NR)	
Syphilis CMI A Total Antibody	All Ages	M/F	Non Reactive (NR)	
Rubella IgG CMI A	All Ages	M/F	0.0-4.9 IU/mL = Negative	
			5.0-9.9 IU/mL = Equivocal	
			10.0-500.0 IU/mL = Positive	
HTLV I & II	All Ages	M/F	Negative	added 19/03/08

ANALYTE / TEST	AGE	SEX	NORMAL RESPONSE	ABNORMAL RESPONSE	ANALYTICAL RANGE	REVISION DATE
MOLECULAR DIAGNOSTICS						
COBAS Amplicor HIV-1 VL	All Ages	M/F	Not Detected	Detected	40 - 10,000,000 copies	01/09/08

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ANALYTE / TEST	AGE	SEX	REFERENCE RANGE	SI UNITS	REVISION DATE
URINALYSIS					
Blood	All Ages	M/F	Negative		
Glucose	All Ages	M/F	Negative		
Ketones	All Ages	M/F	Negative		
Leucocyte Esterase	All Ages	M/F	Negative		
Nitrite	All Ages	M/F	Negative		
pH	All Ages	M/F	5.0 - 8.0		
Specific Gravity	All Ages	M/F	1.003 - 1.030		
Bilirubin	All Ages	M/F	Negative		
Protein	All Ages	M/F	Negative		
Urobilinogen	All Ages	M/F	Negative		
MICROSCOPY					
White Cells (WBC)	All Ages	M/F	<10	10 ⁶ /L	
Red Cells (RBC)	All Ages	M/F	<10	10 ⁶ /L	
Squamous Epithelial Cells	All Ages	M/F	Nil	10 ⁶ /L	
Non-squamous Epithelial Cells	All Ages	M/F	Nil	10 ⁶ /L	
Hyaline Casts	All Ages	M/F	Nil	N/A	
Granular Casts	All Ages	M/F	Nil	N/A	
Cellular Casts	All Ages	M/F	Nil	N/A	
Crystals	All Ages	M/F	Nil	N/A	
Bacteria	All Ages	M/F	None Seen	N/A	
Yeast	All Ages	M/F	None Seen	N/A	