

LifeLabs Clinical Laboratories

Burnaby Reference Laboratory

3680 Gilmore Way

Burnaby, B.C. V5G 4V8

Reference Intervals

Monday, June 1, 2020

Reference intervals are validated and updated periodically, and vary from method to method. They may change without notification. Ranges accompanying patient results should be deemed to be correct.

Sex Age**Interval****Unit****1,25(OH)2 VITAMIN D**

1,25(OH)2 VITAMIN D (1 25-(OH)2 VIT D)	M/F	<100 Y	60--120	pmol/L
--	-----	--------	---------	--------

17OH PROGESTERONE

17OH PROGESTERONE (17OH PROG)	F	Follicular	<2.4	nmol/L
-------------------------------	---	------------	------	--------

17OH PROGESTERONE (17OH PROG)	F	Luteal	<8.6	nmol/L
-------------------------------	---	--------	------	--------

17OH PROGESTERONE (17OH PROG)	F	Post Menopausal	<1.5	nmol/L
-------------------------------	---	-----------------	------	--------

17OH PROGESTERONE (17OH PROG)	M	17-100 Y	<6.0	nmol/L
-------------------------------	---	----------	------	--------

17OH PROGESTERONE (17OH PROG)	M/F	15 D - 1 Y	<3.4	nmol/L
-------------------------------	-----	------------	------	--------

17OH PROGESTERONE (17OH PROG)	M/F	1-7 Y	<1.0	nmol/L
-------------------------------	-----	-------	------	--------

17OH PROGESTERONE (17OH PROG)	M/F	Prepubertal	<1.0	nmol/L
-------------------------------	-----	-------------	------	--------

25(OH) VITAMIN D

25(OH) VITAMIN D (25 OH VITAMIN D)	M/F	<100 Y	75-150	nmol/L
------------------------------------	-----	--------	--------	--------

5HIAA 24h URINE

HIAA 24h URINE (5HIAA)	M/F	<100 Y	<50	umol/d
------------------------	-----	--------	-----	--------

ACE

ACE	M/F	<150 Y	<79.1	U/L
-----	-----	--------	-------	-----

ACTH

ACTH	M/F	<100 Y	1.6--13.9	pmol/L
------	-----	--------	-----------	--------

ACTIVATED PTT

ACTIVATED PTT	M/F	<100 Y	25--36	s
---------------	-----	--------	--------	---

AFP TUMOR MARKER

AFP TUMOR MARKER (AFP)	M/F	<100 Y	<8.4	ug/L
------------------------	-----	--------	------	------

	Sex	Age	Interval	Unit
ALBUMIN				
ALBUMIN	M/F	<150 Y	35-50	g/L

ALCOHOL

ALCOHOL (Serum Alcohol)	M/F	<100 Y	0--20 Negative	mg/dL
ALCOHOL (Serum Alcohol)	M/F	<100 Y	21--46 Below Intoxication	mg/dL
ALCOHOL (Serum Alcohol)	M/F	<100 Y	47--97 Mild Intoxication	mg/dL
ALCOHOL (Serum Alcohol)	M/F	<100 Y	98--299 Intoxication	mg/dL
ALCOHOL (Serum Alcohol)	M/F	<100 Y	> 299 Intoxication/CNS depression common	mg/dL

ALKALINE PHOSPHATASE

ALKALINE PHOSPHATASE (Alkaline Phos)	F	12 - 13 Y	110-440	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	F	14 - 15 Y	50-250	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	F	16 - 17 Y	40-210	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	F	>=18 Y	35-120	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M	12 - 13 Y	110-460	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M	14 - 15 Y	110-520	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M	16 - 17 Y	50-430	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M	>=18 Y	40-145	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M/F	<=4 D	120-330	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M/F	6 D - 5 M	130-350	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M/F	7 M - 12 M	130-500	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M/F	1 - 3 Y	160-350	U/L
ALKALINE PHOSPHATASE (Alkaline Phos)	M/F	4 - 11 Y	110-440	U/L

ALPHA 1 ANTITRYPSIN

ALPHA 1 ANTITRYPSIN (A 1 Antitrypsin)	M/F	<150 Y	0.9-2.18	g/L
---------------------------------------	-----	--------	----------	-----

	Sex	Age	Interval	Unit
ALT				
ALT	F	>=1 Y	<36	U/L
ALT	M	>=1 Y	<50	U/L
ALT	M/F	<1 Y	<60	U/L
ALUMINUM RANDOM URINE				
ALUMINUM RANDOM URINE (Aluminum Rand Ur)	M/F	<100 Y	5--30	mcg/L
AMPHETAMINE URINE				
AMPHETAMINE URINE (Amphetamines)	M/F	<100 Y	Negative	
AMYLASE				
AMYLASE	M/F	<150 Y	0-100	U/L
ANCA				
ANCA (ANCA IIF)			No reportable reference interval	
MPO PR3 (MPO)	M/F	<100 Y	<1.0	AI
MPO PR3 (PR3)	M/F	<100 Y	<1.0	AI

	Sex	Age	Interval	Unit
ANDROSTENEDIONE				
ANDROSTENEDIONE	F	12-14 Y	0.74--6.01	nmol/L
ANDROSTENEDIONE	F	15-18 Y	0.48--6.45	nmol/L
ANDROSTENEDIONE	F	>18 Y	Pre-menopausal 0.91--7.47	nmol/L
ANDROSTENEDIONE	F	>18 Y	Post-menopausal 0.45--2.86	nmol/L
ANDROSTENEDIONE	M	12-14 Y	0.51--2.01	nmol/L
ANDROSTENEDIONE	M	15-18 Y	0.87--3.55	nmol/L
ANDROSTENEDIONE	M	>18 Y	0.80--3.11	nmol/L
ANDROSTENEDIONE	M/F	< 14 D	<2.54	nmol/L
ANDROSTENEDIONE	M/F	14 D - 365D	<5.7	nmol/L
ANDROSTENEDIONE	M/F	1-5 Y	<0.568	nmol/L
ANDROSTENEDIONE	M/F	6-9 Y	<0.917	nmol/L
ANDROSTENEDIONE	M/F	10-11 Y	<2.54	nmol/L

ANION GAP

ANION GAP	M/F	<100 Y	10.1--19.9	
-----------	-----	--------	------------	--

ANTI CCP

ANTI CCP (Anti-CCP)	M/F	<100 Y	<3.0	U/mL
---------------------	-----	--------	------	------

ANTI TISSUE TRANSGLUTAMINASE

ANTI TISSUE TRANSGLUTAMINASE (TTG Antibody IgA)	M/F	<100 Y	<12.0	U/mL
---	-----	--------	-------	------

ANTI-INSULIN ANTIBODIES

ANTI-INSULIN ANTIBODIES (Anti-Insulin Ab)	M/F	<100 Y	<0.4	kU/L
---	-----	--------	------	------

	Sex	Age	Interval	Unit
ANTI-MULLERIAN HORMONE				
AMH	F	< 20 Y	AMH increases until puberty when it reaches and may exceed adult levels (8.7 - 83.6 pmol/L)	pmol/L
AMH	F	20 - 24 Y	8.7--83.6	pmol/L
AMH	F	25 - 29 Y	6.4--70.3	pmol/L
AMH	F	30 - 34 Y	4.1--58.0	pmol/L
AMH	F	35 - 39 Y	1.1--53.5	pmol/L
AMH	F	40 - 44 Y	0.2--39.1	pmol/L
AMH	F	45 - 100 Y	<19.4	pmol/L
AMH	M	<18 Y	AMH decreases until puberty, when it reaches the adult levels (10.2 - 82.8 pmol/L)	pmol/L
AMH	M	18 - 100 Y	10.2--82.8	pmol/L
ANTITHROMBIN				
ANTITHROMBIN III (ANTITHROMBIN)	M/F	<100 Y	=>0.80	U/mL
APOLIPO A-1				
APOLIPO A-1 (APO A-1)	F	<150 Y	1.1-2.3	g/L
APOLIPO A-1 (APO A-1)	M	<150 Y	1.0-2.0	g/L
APOLIPO B-100				
APOLIPOPROTEIN B-100 (APO B-100)	M/F	<20 Y	0.53-0.90	g/L
APOLIPOPROTEIN B-100 (APO B-100)	M/F	>=20 Y	0.59-1.25	g/L
ARSENIC				
ARSENIC (Arsenic blood)	M/F	<100 Y	<930	nmol/L

	Sex	Age	Interval	Unit
AST				
AST	M/F	<1 Y	<72	U/L
AST	M/F	>= 1 Y	<36	U/L

BENZODIAZEPINE URINE

BENZODIAZEPINE URINE (Benzodiazepines)	M/F	<100 Y	Negative	
--	-----	--------	----------	--

BETA-2 GLYCOPROTEIN 1 ANTIBODIES IMMUNOGLOBULI

BETA 2 GLYCOPROTEIN 1 IGG IGM (B2GP IgG)	M/F	<100 Y	<20.0	U/mL
BETA 2 GLYCOPROTEIN 1 IGG IGM (B2GP IgM)	M/F	<100 Y	<20.0	U/mL

B-Hydroxybutyrate

B-Hydroxybutyrate	M/F	<150 Y	<0.3	mmol/L
-------------------	-----	--------	------	--------

BICARBONATE

BICARBONATE	M/F	<150 Y	20-30	mmol/L
-------------	-----	--------	-------	--------

BILIRUBIN DIRECT

BILIRUBIN CONJUGATED (Conjugated Bili)	M/F	<= 14 D	2-30	umol/L
BILIRUBIN CONJUGATED (Conjugated Bili)	M/F	>14 D	<8	umol/L

BILIRUBIN TOTAL

BILIRUBIN TOTAL	M/F	1 D	<172	umol/L
BILIRUBIN TOTAL	M/F	2 - 14 D	<217	umol/L
BILIRUBIN TOTAL	M/F	>= 15 D	<17	umol/L

	Sex	Age	Interval	Unit
BIOAVAILABLE TESTOSTERONE				
BIOAVAILABLE TESTOSTERONE (BIOAVAILABLE T)	F	<13 Y	<0.7 Reference intervals are for adults.	nmol/L
BIOAVAILABLE TESTOSTERONE (BIOAVAILABLE T)	F	13-100 Y	<0.7	nmol/L
BIOAVAILABLE TESTOSTERONE (BIOAVAILABLE T)	M	<13 Y	2.7--13.5 Reference intervals are for adults.	nmol/L
BIOAVAILABLE TESTOSTERONE (BIOAVAILABLE T)	M	13-100 Y	2.7--13.5	nmol/L
BIOAVAILABLE TESTOSTERONE (FREE T calculated)	F	<100 Y	<30	pmol/L
BIOAVAILABLE TESTOSTERONE (FREE T calculated)	M	<100 Y	115--577 Reference intervals are for adults.	pmol/L
BLOOD CADMIUM				
BLOOD CADMIUM (Cadmium blood)	M/F	<100 Y	<44	nmol/L
BLOOD MERCURY				
BLOOD MERCURY (Mercury blood)	M/F	<100 Y	<29	nmol/L
BNP				
BNP	M/F	<150 Y	<100	ng/L
BREATH HYDROGEN				
BREATH HYDROGEN BASELINE (Br H2 Baseline)	M/F	<100 Y	<=20	uL/L
BREATH HYDROGEN 120m (Br H2 Incr@120 min)	M/F	<100 Y	<=20	uL/L
BREATH HYDROGEN 60m (Br H2 Incr@60 min)	M/F	<100 Y	<=20	uL/L
C REACTIVE PROTEIN				
C REACTIVE PROTEIN	M/F	<100 Y	<4.8	mg/L

	Sex	Age	Interval	Unit
C TELEPEPTIDE RANDOM				
CTX	F	>=18 Y	Premenopausal: <0.573 Postmenopausal: 0.104 - 1.008	ng/mL
CTX	M	>=70 Y	<0.854	ng/mL
CTX	M	50 - 69 Y	<0.704	ng/mL
CTX	M	18 - 49 Y	<0.584	ng/mL
CTX	M/F	<17 Y	No reference interval defined for this age group.	ng/mL
CA 125				
CA 125	M/F	<100 Y	<36	kU/L
CA 15-3				
CA 15-3	M/F	<100 Y	<23	kU/L
CA 19-9				
CA 19-9	M/F	<100 Y	<27	kU/L
CALCIUM				
CALCIUM	M/F	<100 Y	2.10-2.60	mmol/L
CALCIUM IONIZED				
IONIZED CALCIUM	M/F	<100 Y	1.12--1.31	mmol/L
CARBAMAZEPINE				
CARBAMAZEPINE	M/F	<100 Y	17-51	umol/L
CARDIOLIPIN AB				
CARDIOLIPIN AB (IGG CARDIOLIPIN AB)	M/F	<100 Y	<20.0	U/mL
CARDIOLIPIN AB (IGM CARDIOLIPIN AB)	M/F	<100 Y	<20.0	U/mL

	Sex	Age	Interval	Unit
CAROTENE				
CAROTENE	M/F	<100 Y	1.0--4.0	umol/L
CEA PP				
CEA PP (CEA ROCHE)	M/F	<150 Y	<4.7	ug/L
CERULOPLASMIN				
CERULOPLASMIN	F	0-100 Y	0.16--0.45	g/L
CERULOPLASMIN	M	0-100 Y	0.15--0.30	g/L
CHLORIDE				
CHLORIDE	M/F	<100 Y	98-108	mmol/L
CHOLESTEROL				
CHOLESTEROL	M/F	<= 18 Y	2.00-4.39	mmol/L
CHOLESTEROL	M/F	19 - 29 Y	2.00-4.59	mmol/L
CHOLESTEROL	M/F	>=30 Y	2.00-5.19	mmol/L
CHOLINESTERASE PLASMA				
CHOLINESTERASE PLASMA	M/F	<100 Y	2600-6900	U/L
CHOLINESTERASE RBC				
CHOLINESTERASE RBC	M/F	<100 Y	5300-10000	U/L
CHROMIUM				
CHROMIUM	M/F	<100 Y	0.12-0.40	ug/L
CHROMIUM	M/F	<100 Y	2.2-7.7	nmol/L
CHROMIUM RANDOM URINE				
CHROMIUM RANDOM URINE (Chromium Rand Ur)	M/F	<100 Y	<1.0	mcg/L
CHROMIUM RANDOM URINE (Chromium/Creat)	M/F	<100 Y	<1	mcg/g crea

	Sex	Age	Interval	Unit
CLOZAPINE				
CLOZAPINE	M/F	<100 Y	300--2100	nmol/L
COBALT RANDOM URINE				
COBALT RANDOM URINE (Cobalt Rand Ur)	M/F	<100 Y	<2.0	mcg/L
COCAINE URINE				
COCAINE URINE (Cocaine)	M/F	<100 Y	Negative	
COMPLEMENT C3				
COMPLEMENT C3	M/F	<150 Y	1.00-1.90	g/L
COMPLEMENT C4				
COMPLEMENT C4	M/F	<150 Y	0.09-0.50	g/L
COPPER				
COPPER (Copper serum)	F	<100 Y	13--24	umol/L
COPPER (Copper serum)	M	<100 Y	11-22	umol/L
CORTISOL				
CORTISOL (CORTISOL RANDOM)	M/F	<100 Y	Random cortisol should be interpreted in the context of the diurnal variation of cortisol.	nmol/L
CORTISOL AM				
CORTISOL AM (CORTISOL A.M.)	M/F	<150 Y	125-536	nmol/L
CORTISOL PM				
CORTISOL PM (Cortisol p.m.)	M/F	<100 Y	50--300	nmol/L

Sex Age**Interval****Unit****CREATINE KINASE**

CREATINE KINASE (CK)	F	1 - 150 Y	<140	U/L
CREATINE KINASE (CK)	M	1 - 150 Y	<165	U/L
CREATINE KINASE (CK)	M/F	<=21 D	<990	U/L
CREATINE KINASE (CK)	M/F	22 - 365 D	<330	U/L

CREATININE

CREATININE	F	>=14 Y	45-90	umol/L
CREATININE	M	>=14 Y	45-110	umol/L
CREATININE	M/F	<=30 D	10-90	umol/L
CREATININE	M/F	1 M - 3 Y	10-50	umol/L
CREATININE	M/F	4 - 9 Y	10-60	umol/L
CREATININE	M/F	10 - 13 Y	40-90	umol/L

CREATININE CLEARANCE 24h

CREATININE CLEARANCE 24H (Creat Clearance)	F	<=50 Y	1.14--2.24	
CREATININE CLEARANCE 24H (Creat Clearance)	F	>50 Y	0.87--1.94	
CREATININE CLEARANCE 24H (Creat Clearance)	M	<=50 Y	1.25--2.44	
CREATININE CLEARANCE 24H (Creat Clearance)	M	>50 Y	0.92--2.10	

CYANIDE BLOOD

CYANIDE BLOOD	M/F	<100 Y	<=0.05	mcg/mL
---------------	-----	--------	--------	--------

CYCLOSPORINE PEAK

CYCLOSPORINE PEAK (CYCLOSPORINE)	---	---	No Range	ug/L
----------------------------------	-----	-----	----------	------

CYCLOSPORINE TROUGH

CYCLOSPORINE TROUGH (CYCLOSPORINE)	---	---	No Range	ug/L
------------------------------------	-----	-----	----------	------

D-DIMER

D-DIMER	M/F	<100 Y	<500	ug/L FEU
---------	-----	--------	------	----------

	Sex	Age	Interval	Unit
DHEA-S				
DHEA-S (DHEAS-S)	F	Prepubertal	<10.8 Prepubertal results expected to be 20% of those for adults.	umol/L
DHEA-S (DHEAS-S)	F	13 - 44 Y	<10.8	umol/L
DHEA-S (DHEAS-S)	F	45 - 75Y	<6.7	umol/L
DHEA-S (DHEAS-S)	F	>75 Y	<4.3	umol/L
DHEA-S (DHEAS-S)	M	Prepubertal	<15.0 Prepubertal results expected to be 20% of those for adults.	umol/L
DHEA-S (DHEAS-S)	M	13 - 44 Y	<15.0	umol/L
DHEA-S (DHEAS-S)	M	45 - 75 Y	<9.8	umol/L
DHEA-S (DHEAS-S)	M	>75 Y	<3.4	umol/L
DHT				
DHT	F	<100 Y	<=20	ng/dL
DHT	M	<100 Y	12 - 65	ng/dL
DIGOXIN				
DIGOXIN	M/F	<100 Y	0.6--2.6 Therapeutic	nmol/L
DILUTE RUSSELL VIPER VENOM				
DRVVT Screen	M/F	<100 Y	<1.4 LA Not Present	
DIRECT ANTIGLOBULIN TEST				
DIRECT ANTIGLOBULIN TEST (C3D SPECIFIC)	---	---	No Range	
DIRECT ANTIGLOBULIN TEST (IGG SPECIFIC)	---	---	No Range	
DNA AB				
DNA AB (ANTI DNA)	M/F	<100 Y	<=4	IU/mL

	Sex	Age	Interval	Unit
ENA				
ENA BREAKDOWN (Jo-1)	M/F	<100 Y	<1.0	AI
ENA BREAKDOWN (RNP)	M/F	<100 Y	<1.0	AI
ENA BREAKDOWN (Scl-70)	M/F	<100 Y	<1.0	AI
ENA BREAKDOWN (Sm)	M/F	<100 Y	<1.0	AI
ENA BREAKDOWN (SS-A)	M/F	<100 Y	<1.0	AI
ENA BREAKDOWN (SS-B)	M/F	<100 Y	<1.0	AI

ESR				
ESR (EST)	M/F	<100 Y	2--30	mm/hr

ESTRADIOL				
ESTRADIOL	F	11 - 14 Y	<355	pmol/L
ESTRADIOL	F	Follicular ≥ 15 Y	<913	pmol/L
ESTRADIOL	F	Mid-Cycle ≥ 15 Y	140-2380	pmol/L
ESTRADIOL	F	Luteal ≥ 15 Y	77-1145	pmol/L
ESTRADIOL	F	Postmenopausal ≥ 15 Y	<113	pmol/L
ESTRADIOL	M	11 - 14 Y	<113	pmol/L
ESTRADIOL	M	15 - 20 Y	<182	pmol/L
ESTRADIOL	M	>20 Y	<157	pmol/L

	Sex	Age	Interval	Unit
FERRITIN				
FERRITIN	F	<6 M	31-1454	ug/L
FERRITIN	F	6 M - 1 Y	19-401	ug/L
FERRITIN	F	2 - 5 Y	12-224	ug/L
FERRITIN	F	6 - 14 Y	31-177	ug/L
FERRITIN	F	15 - 18 Y	15-152	ug/L
FERRITIN	F	>18 Y	15-247	ug/L
FERRITIN	M	<6 M	31-1454	ug/L
FERRITIN	M	6 M - 1 Y	19-401	ug/L
FERRITIN	M	2 - 5 Y	12-224	ug/L
FERRITIN	M	6 - 14 Y	31-177	ug/L
FERRITIN	M	15 - 18 Y	28-186	ug/L
FERRITIN	M	>18 Y	24-444	ug/L

FIBRINOGEN

FIBRINOGEN	M/F	<100 Y	2.00--4.10	g/L
------------	-----	--------	------------	-----

FLUORIDE RANDOM URINE

FLUORIDE RANDOM URINE (Fluoride Rand Ur)	M/F	<100 Y	<2	mcg/L
--	-----	--------	----	-------

	Sex	Age	Interval	Unit
FREE T4				
FREE T4 (T4 Free)	F	<12 M	11.0-20.6	pmol/L
FREE T4 (T4 Free)	F	1 - 5 Y	11.7-18.6	pmol/L
FREE T4 (T4 Free)	F	6 - 10 Y	10.9-19.0	pmol/L
FREE T4 (T4 Free)	F	11 - 14 Y	10.0-16.9	pmol/L
FREE T4 (T4 Free)	F	15 - 20 Y	10.2 - 17.3	pmol/L
FREE T4 (T4 Free)	F	15 - 20 Y	Gestational reference intervals: 1st Trimester 10.6-19.7 pmol/L 2nd Trimester 8.7-16.2 pmol/L 3rd Trimester 7.8-14.6 pmol/L	pmol/L
FREE T4 (T4 Free)	F	20 - 50 Y	10.6 - 19.7	pmol/L
FREE T4 (T4 Free)	F	20 - 50 Y	Gestational reference intervals: 1st Trimester 10.6-19.7 pmol/L 2nd Trimester 8.7-16.2 pmol/L 3rd Trimester 7.8-14.6 pmol/L	pmol/L
FREE T4 (T4 Free)	M	<12 M	11.9-23.6	pmol/L
FREE T4 (T4 Free)	M	1 - 5 Y	11.0-20.8	pmol/L
FREE T4 (T4 Free)	M	6 - 10 Y	10.9 - 19.0	pmol/L
FREE T4 (T4 Free)	M	11 - 14 Y	10.0 - 16.9	pmol/L
FREE T4 (T4 Free)	M	15 - 20 Y	10.2-17.3	pmol/L
FREE T4 (T4 Free)	M	20 - 50 Y	10.6 - 19.7	pmol/L
FREE T4 (T4 Free)	M/F	>50 Y	10.6-19.7	pmol/L

	Sex	Age	Interval	Unit
FSH				
FSH	F	<12 M	1.8-20.3	U/L
FSH	F	1 - 5 Y	0.6-6.1	U/L
FSH	F	6 - 10 Y	<4.6	U/L
FSH	F	11 - 14 Y	0.2-8.0	U/L
FSH	F	Follicular/Luteal >= 15Y	<8.7	U/L
FSH	F	Mid-cycle >=15 Y	4.2-19.0	U/L
FSH	F	Post menopausal >=15 Y	16-110.0	U/L
FSH	M	<12 M	<3.5	U/L
FSH	M	1 - 5 Y	<1.5	U/L
FSH	M	6 - 10 Y	<3.0	U/L
FSH	M	11 - 14 Y	0.4-6.3	U/L
FSH	M	15 - 20 Y	0.5-10.0	U/L
FSH	M	>20 Y	<9.5	U/L

GAD-65 ANTIBODIES

GAD-65 ANTIBODIES (GAD-65 Antibody)	M/F	<100 Y	<5	IU/mL
-------------------------------------	-----	--------	----	-------

GALECTIN-3

GALECTIN-3	M/F	<100 Y	<17.9	ng/mL
------------	-----	--------	-------	-------

GAMMA GT

GAMMA GT (GGT)	F	<100 Y	<31	U/L
GAMMA GT (GGT)	M	<100 Y	<49	U/L

GLUCOSE

GLUCOSE (Glucose random)	M/F	<100 Y	3.3-11.0	mmol/L
--------------------------	-----	--------	----------	--------

GLUCOSE FASTING

GLUCOSE FASTING	M/F	<100 Y	3.3-5.5	mmol/L
-----------------	-----	--------	---------	--------

	Sex	Age	Interval	Unit
GROWTH HORMONE				
GROWTH HORMONE	F	<100 Y	<8.0	ug/L
GROWTH HORMONE	M	<100 Y	<3.0	ug/L

HAPTOGLOBIN

HAPTOGLOBIN	M/F	<20 Y	0.10-1.30	g/L
HAPTOGLOBIN	M/F	>=20 Y	0.17-2.00	g/L

HCG

HCG (hCG-Beta)	F	Non pregnant	<3	U/L
HCG (hCG-Beta)	F	3rd Week	6-71	U/L
HCG (hCG-Beta)	F	4th Week	10-750	U/L
HCG (hCG-Beta)	F	5th Week	217-7138	U/L
HCG (hCG-Beta)	F	6th Week	158-31795	U/L
HCG (hCG-Beta)	F	7th Week	3697-163563	U/L
HCG (hCG-Beta)	F	8-9th Week	32065-151410	U/L
HCG (hCG-Beta)	F	10th Week	46509-186977	U/L
HCG (hCG-Beta)	F	12th Week	27832-210612	U/L
HCG (hCG-Beta)	F	14th Week	13950-62530	U/L
HCG (hCG-Beta)	F	15th Week	12039-70971	U/L
HCG (hCG-Beta)	F	16th Week	9040-56451	U/L
HCG (hCG-Beta)	F	17-18th Week	8175-58176	U/L
HCG (hCG-Beta)	M	<150 Y	<3	U/L

HDL CHOLESTEROL

HDL CHOLESTEROL (HDL-Cholesterol)	F	>=18 Y	>1.19	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M	>=18 Y	>0.99	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M/F	3 - 17 Y	>1.09	mmol/L

	Sex	Age	Interval	Unit
HEMATOLOGY PANEL				
HEMATOLOGY PANEL (HEMATOCRIT)	F	12-15 Y	0.35--0.44	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	F	16-18 Y	0.35--0.44	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	F	=>19 Y	0.35 - 0.45	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M	12-15 Y	0.37--0.47	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M	16-18 Y	0.38--0.49	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M	=>19 Y	0.40 - 0.50	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	1 - 6 D	0.45--0.67	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	7 - 13 D	0.42 - 0.66	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	14 - 29 D	0.39 - 0.63	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	1 M	0.31 - 0.55	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	2 M	0.28 - 0.42	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	3 - 5 M	0.29 - 0.41	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	6 M - 1 Y	0.31 - 0.39	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	2 - 5 Y	0.33 - 0.39	L/L
HEMATOLOGY PANEL (HEMATOCRIT)	M/F	6-11 Y	0.35--0.43	L/L
HEMATOLOGY PANEL (HEMOGLOBIN)	F	12 - 15 Y	117--149	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	F	16 - 18 Y	117--149	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	F	=>19 Y	115 - 155	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M	12 - 15 Y	125--165	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M	16 - 18 Y	131--169	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M	=>19 Y	135 - 170	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	1 - 6 D	145--225	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	7 - 13 D	135 - 215	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	14 - 29 D	125 - 205	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	1 M	100 - 180	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	2 M	90 - 140	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	3 - 5 M	95 - 135	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	6 M - 1 Y	103 - 135	g/L

	Sex	Age	Interval	Unit
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	2 - 5 Y	105 - 135	g/L
HEMATOLOGY PANEL (HEMOGLOBIN)	M/F	6 - 11 Y	118 - 146	g/L
HEMATOLOGY PANEL (MCH)	M/F	1 - 6 D	31.0 - 37.0	pg
HEMATOLOGY PANEL (MCH)	M/F	7 D - 2 M	28.0 - 40.0	pg
HEMATOLOGY PANEL (MCH)	M/F	3 M	26.0 - 34.0	pg
HEMATOLOGY PANEL (MCH)	M/F	4 - 5 M	25.0 - 35.0	pg
HEMATOLOGY PANEL (MCH)	M/F	6 M - 1 Y	24.0 - 31.0	pg
HEMATOLOGY PANEL (MCH)	M/F	2 - 5 Y	24.0 - 30.0	pg
HEMATOLOGY PANEL (MCH)	M/F	6 - 15 Y	25.8 - 31.7	pg
HEMATOLOGY PANEL (MCH)	M/F	16 - 18 Y	25.0 - 33.8	pg
HEMATOLOGY PANEL (MCH)	M/F	=>19 Y	27.5 - 33.5	pg
HEMATOLOGY PANEL (MCHC)	M/F	1 - 29 D	300--366	g/L
HEMATOLOGY PANEL (MCHC)	M/F	1 M	280 - 360	g/L
HEMATOLOGY PANEL (MCHC)	M/F	2 - 5 M	290 - 370	g/L
HEMATOLOGY PANEL (MCHC)	M/F	6 M - 1 Y	290 - 360	g/L
HEMATOLOGY PANEL (MCHC)	M/F	2 - 5 Y	310 - 360	g/L
HEMATOLOGY PANEL (MCHC)	M/F	6 - 18 Y	305 - 365	g/L
HEMATOLOGY PANEL (MCHC)	M/F	=>19 Y	300 - 370	g/L
HEMATOLOGY PANEL (MCV)	M/F	1 - 6 D	95--121	fl
HEMATOLOGY PANEL (MCV)	M/F	7 - 13 D	88--126	fl
HEMATOLOGY PANEL (MCV)	M/F	14 - 29 D	86--124	fl
HEMATOLOGY PANEL (MCV)	M/F	1 M	85 - 123	fl
HEMATOLOGY PANEL (MCV)	M/F	2 M	77 - 115	fl
HEMATOLOGY PANEL (MCV)	M/F	3 - 5 M	74 - 108	fl
HEMATOLOGY PANEL (MCV)	M/F	6 M - 1 Y	70 - 86	fl
HEMATOLOGY PANEL (MCV)	M/F	2 - 5 Y	75 - 87	fl
HEMATOLOGY PANEL (MCV)	M/F	6 - 15 Y	77--92	fl
HEMATOLOGY PANEL (MCV)	M/F	16-18 Y	80--95	fl
HEMATOLOGY PANEL (MCV)	M/F	=>19 Y	82--98	fl

	Sex	Age	Interval	Unit
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	1 D - 1 M	170 - 500	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	2 M - 5 M	210 - 650	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	6 M - 1 Y	200 - 550	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	2 - 5 Y	200 - 490	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	6 - 15 Y	180 - 440	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	16 - 18 Y	165 - 397	10*9/L
HEMATOLOGY PANEL (PLATELET COUNT)	M/F	=> 19 Y	150 - 400	10*9/L
HEMATOLOGY PANEL (RBC)	F	12 - 15 Y	4.05 - 4.98	10*12/L
HEMATOLOGY PANEL (RBC)	F	16 - 18 Y	4.00 - 4.87	10*12/L
HEMATOLOGY PANEL (RBC)	F	=>19 Y	3.50 - 5.00	10*12/L
HEMATOLOGY PANEL (RBC)	M	12 - 15 Y	4.43 - 5.53	10*12/L
HEMATOLOGY PANEL (RBC)	M	16 - 18 Y	4.41--5.71	10*12/L
HEMATOLOGY PANEL (RBC)	M	=>19 Y	4.20--5.40	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	1 - 6 D	4.00--6.60	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	7 - 13 D	3.90--6.30	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	14 - 29 D	3.60 - 6.20	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	1 M	3.00 - 5.40	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	2 M	2.70 - 4.90	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	3 - 5 M	3.10 - 4.50	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	6 M - 1 Y	3.70 - 5.30	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	2 - 5 Y	3.90 - 5.30	10*12/L
HEMATOLOGY PANEL (RBC)	M/F	6 - 11 Y	4.05 - 5.15	10*12/L
HEMATOLOGY PANEL (RDW)	M/F	1 D - 5 M	No established Reference Interval available. Adult range is 11.5 - 14.5 %.	%
HEMATOLOGY PANEL (RDW)	M/F	6 M - 5 Y	11.7 - 15.7	%
HEMATOLOGY PANEL (RDW)	M/F	6 - 15 Y	11.6 - 14.8	%
HEMATOLOGY PANEL (RDW)	M/F	16 - 18 Y	11.2 - 14.8	%

	Sex	Age	Interval	Unit
HEMATOLOGY PANEL (RDW)	M/F	=> 19 Y	11.5 - 14.5	%
HEMATOLOGY PANEL (WBC)	M/F	1 - 6 D	9.4 - 34.0	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	7 - 13 D	5.0 - 21.0	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	14 - 29 D	5.0 - 20.0	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	1 - 2 M	5.0 - 19.5	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	3 - 5 M	5.0 - 17.5	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	6 M - 5 Y	5.3 - 16.0	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	6 - 18 Y	3.9 - 10.2	10*9/L
HEMATOLOGY PANEL (WBC)	M/F	=>19 Y	4.0--10.0	10*9/L

	Sex	Age	Interval	Unit
WBC DIFFERENTIAL (BASOPHILS)	M/F	1 - 6 D	0.0 - 0.6	10*9/L
WBC DIFFERENTIAL (BASOPHILS)	M/F	7 D - 5 Y	0.0 - 0.2	10*9/L
WBC DIFFERENTIAL (BASOPHILS)	M/F	6 - 18 Y	0.0 - 0.1	10*9/L
WBC DIFFERENTIAL (BASOPHILS)	M/F	=> 19 Y	0.0 - 0.2	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	1 - 13 D	0.2 - 0.6	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	14 D - 5 M	0.2 - 0.8	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	6 M - 5 Y	0.0 - 0.5	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	6 - 16 Y	0.0 - 0.7	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	16 - 18 Y	0.0 - 0.5	10*9/L
WBC DIFFERENTIAL (EOSINOPHILS)	M/F	=> 19 Y	0.0 - 0.7	10*9/L
WBC DIFFERENTIAL (IMMATURE GRANULOCYTES)	M/F	1 - 29 D	No established Reference Interval available. Adult range is 0.0-0.1 10*9/L."	10*9/L
WBC DIFFERENTIAL (IMMATURE GRANULOCYTES)	M/F	=> 1 M	0.0 - 0.1	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	1 - 6 D	2.0 - 11.5	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	7 - 29 D	2.0--17.0	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	1 - 5 M	2.5 - 16.5	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	6 M - 1Y	4.0 - 13.5	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	2 - 5 Y	2.0 - 8.0	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	6 - 11 Y	1.5 - 4.2	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	12 - 18 Y	1.0 - 3.6	10*9/L
WBC DIFFERENTIAL (LYMPHOCYTES)	M/F	=> 19 Y	1.0 - 4.0	10*9/L
WBC DIFFERENTIAL (MONOCYTES)	M/F	1 D - 5 M	0.5 - 1.8	10*9/L
WBC DIFFERENTIAL (MONOCYTES)	M/F	6 M - 5 Y	0.0 - 0.9	10*9/L
WBC DIFFERENTIAL (MONOCYTES)	M/F	6 - 18 Y	0.1 - 0.7	10*9/L
WBC DIFFERENTIAL (MONOCYTES)	M/F	=> 19 Y	0.1 - 0.8	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	1 - 6 D	5.0 - 21.0	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	7 - 13 D	1.5--10.0	10*9/L

	Sex	Age	Interval	Unit
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	14 - 29 D	1.0 - 9.5	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	1 - 5 M	1.0 - 9.0	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	6 M - 1 Y	1.0 - 8.5	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	2 - 5 Y	1.5 - 8.5	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	6 - 11 Y	1.5 - 8.0	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	12 - 15 Y	1.5 - 7.4	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	16 - 18 Y	1.8 - 6.8	10*9/L
WBC DIFFERENTIAL (NEUTROPHILS)	M/F	=> 19 Y	2.0 - 7.5	10*9/L

HEMOGLOBIN A1C

HEMOGLOBIN A1C	M/F	<100 Y	4.5--6.0	% (percent)
----------------	-----	--------	----------	-------------

HEPARIN ADSORPTION INR

HEPARIN ADSORPTION INR (Hep Adsorb INR)	M/F	<100 Y	0.8--1.2	
---	-----	--------	----------	--

HEPARIN ADSORPTION PTT

HEPARIN ADSORPTION PTT (Hep Adsorb PTT)	M/F	<100 Y	25--36	
---	-----	--------	--------	--

HEPATITIS B SURFACE AB

HEPATITIS B SURFACE AB (HEP B SURFACE AB)	M/F	<100 Y	Post-vaccine HBsAb levels of at least 10 IU/L are protective. Patients with lower levels are also considered immune if they have previously had a protective HBsAb level.	
---	-----	--------	---	--

Sex Age**Interval****Unit****HGB INVESTIGATION**

HGB ELECTROPHORESIS (Hemoglobin A2)	M/F	<100 Y	< 2.2 Decreased	%
HGB ELECTROPHORESIS (Hemoglobin A2)	M/F	<100 Y	2.2 - 3.2 Normal	%
HGB ELECTROPHORESIS (Hemoglobin A2)	M/F	<100 Y	3.3 - 3.7 Borderline Elevated	%
HGB ELECTROPHORESIS (Hemoglobin A2)	M/F	<100 Y	>3.7 Elevated	%
HGB ELECTROPHORESIS (Hemoglobin F)	M/F	<1 Y	No reference range available.	%
HGB ELECTROPHORESIS (Hemoglobin F)	M/F	=> 1 Y	0.0 - 0.9	%

HIPPURIC ACID URINE

HIPPURIC ACID URINE (Hippuric Acid Ur)	M/F	<100 Y	<1.6	g/L
HIPPURIC ACID URINE (Hippuric Acid/Crea)	M/F	<100 Y	<1.5	g/g Creat

HLA-B27

HLA-B27	---	---	No Range	
---------	-----	-----	----------	--

HOMOCYSTEINE

HOMOCYSTEINE	M/F	<=12 Y	Reference range data for children is sparse. Levels are lowest in younger children and increase with age. A reference range of <7 umol/L is suggested for children ages 8-12 years.	umol/L
HOMOCYSTEINE	M/F	>12 Y	<15	umol/L

HYDROCODONE URINE

HYDROCODONE URINE (Hydrocodone)	M/F	<100Y	Negative	
---------------------------------	-----	-------	----------	--

	Sex	Age	Interval	Unit
IgA	M/F	<1 Y	<0.84	g/L
IgA	M/F	1 - 3 Y	0.20-1.00	g/L
IgA	M/F	4 - 6 Y	0.27-1.95	g/L
IgA	M/F	7 - 9 Y	0.34-3.05	g/L
IgA	M/F	10 - 11 Y	0.53-2.04	g/L
IgA	M/F	12 - 13 Y	0.58-3.58	g/L
IgA	M/F	14 - 15 Y	0.47-2.49	g/L
IgA	M/F	16 - 19 Y	0.61-3.48	g/L
IgA	M/F	>19 Y	0.7-4.0	g/L

IgG	M/F	<1 Y	2.3-14.1	g/L
IgG	M/F	1 - 3 Y	4.5-9.2	g/L
IgG	M/F	4 - 6 Y	5.0-14.7	g/L
IgG	M/F	7 - 9 Y	5.7-14.7	g/L
IgG	M/F	10 - 11 Y	7.0-15.6	g/L
IgG	M/F	12 - 13 Y	7.6-15.5	g/L
IgG	M/F	14 - 15 Y	7.2-17.1	g/L
IgG	M/F	16 - 19 Y	5.5-15.8	g/L
IgG	M/F	>19 Y	7.0-16.0	g/L

	Sex	Age	Interval	Unit
IgM	M/F	<1 Y	<1.46	g/L
IgM	M/F	1 - 3 Y	0.19-1.46	g/L
IgM	M/F	4 - 6 Y	0.24-2.10	g/L
IgM	M/F	7 - 9 Y	0.31-2.08	g/L
IgM	M/F	10 - 11 Y	0.31-1.79	g/L
IgM	M/F	12 - 13 Y	0.35-2.39	g/L
IgM	M/F	14 - 15 Y	0.15-1.88	g/L
IgM	M/F	16 - 19 Y	0.23-2.59	g/L
IgM	M/F	>19 Y	0.40-2.30	g/L

IMMUNO FAECAL OCCULT BLOOD

IMMUNO FAECAL OCCULT BLOOD (Immunochem. OB)	---	---	No Range	
IMMUNO FAECAL OCCULT BLOOD (Immunochem. OB)	---	---	No Range	

INSULIN FASTING

INSULIN FASTING	M/F	<100 Y	20--180	pmol/L
-----------------	-----	--------	---------	--------

INSULIN TOLERANCE TEST

INSULIN TOLERANCE FASTING (INSULIN FASTING)	M/F	<100 Y	20--180	pmol/L
---	-----	--------	---------	--------

IRON PROFILE

IRON	M/F	<150 Y	10.6-33.8	umol/L
IRON (SAT)	M/F	<150 Y	0.13-0.50	
TRANSFERRIN	F	>= 19 Y	2.00--4.00	g/L
TRANSFERRIN	M	>=19 Y	2.00--3.30	g/L
TRANSFERRIN	M/F	0 - 2 M	1.11--2.43	g/L
TRANSFERRIN	M/F	3 - <1 Y	1.15--3.52	g/L
TRANSFERRIN	M/F	1 - <19 Y	2.38--3.66	g/L

Sex Age

Interval

Unit

JOINT FLUID GLUCOSE

JOINT FLUID GLUCOSE (Glucose Joint Fld)	M/F	<100 Y	The reference range and other method performance specifications have not been established for this fluid test(s). The test result should be integrated into the clinical context for interpretation.	mmol/L
---	-----	--------	--	--------

JOINT FLUID LDH

JOINT FLUID LDH (LDH Joint Fluid)	M/F	<100 y	The reference range and other method performance specifications have not been established for this fluid test(s). The test result should be integrated into the clinical context for interpretation.	U/L
-----------------------------------	-----	--------	--	-----

JOINT FLUID PROTEIN

JOINT FLUID PROTEIN (Protein Joint Fld)	M/F	<100 Y	The reference range and other method performance specifications have not been established for this fluid test(s). The test result should be integrated into the clinical context for interpretation.	g/L
---	-----	--------	--	-----

Sex Age**Interval****Unit****JOINT FLUID RA**

JOINT FLUID RA (RF Joint Fluid)	M/F	<100 Y	The reference range and other method performance specifications have not been established for this fluid test(s). The test result should be integrated into the clinical context for interpretation.	kU/L
---------------------------------	-----	--------	--	------

JOINT FLUID URIC ACID

JOINT FLUID URIC ACID (Uric Acid Joint Fld)	M/F	<100 Y	The reference range and other method performance specifications have not been established for this fluid test(s). The test result should be integrated into the clinical context for interpretation.	umol/L
---	-----	--------	--	--------

LD

LD	M/F	<=30 D	225-600	U/L
LD	M/F	31 - 365 D	170-450	U/L
LD	M/F	1 - 6 Y	155-350	U/L
LD	M/F	7 - 15 Y	120-300	U/L
LD	M/F	>=16 Y	<225	U/L

Sex Age**Interval****Unit****LDH ISOENZYMES**

LD ISOENZYMES (LD Total)	M/F	<1 Y	155-350 Reference interval not established for this age. Interval provided is that for 1-6 years old.	U/L
LD ISOENZYMES (LD Total)	M/F	1-6 Y	155-130	U/L
LD ISOENZYMES (LD Total)	M/F	6-15 Y	120-300	U/L
LD ISOENZYMES (LD Total)	M/F	>15 Y	110-230	U/L
LD ISOENZYMES (LD1)	M/F	<100 Y	0.16-0.32	
LD ISOENZYMES (LD2)	M/F	<100 Y	0.23-0.39	
LD ISOENZYMES (LD3)	M/F	<100 Y	0.21-0.29	
LD ISOENZYMES (LD4)	M/F	<100 Y	0.06-0.12	
LD ISOENZYMES (LD5)	M/F	<100 Y	0.03-0.17	
LD ISOENZYMES (Ratio LD1/LD2)	M/F	<100 Y	<1.0	

LEAD BLOOD

LEAD BLOOD	M/F	<100 Y	No Range	umol/L
------------	-----	--------	----------	--------

LIPASE

LIPASE	M/F	<100 Y	<75	U/L
--------	-----	--------	-----	-----

Sex Age**Interval****Unit****LIPID PROFILE FULL**

CHOLESTEROL	M/F	<= 18 Y	2.00-4.39	mmol/L
CHOLESTEROL	M/F	19 - 29 Y	2.00-4.59	mmol/L
CHOLESTEROL	M/F	>=30 Y	2.00-5.19	mmol/L

HDL CHOLESTEROL (HDL-Cholesterol)	F	>=18 Y	>1.19	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M	>=18 Y	>0.99	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M/F	3 - 17 Y	>1.09	mmol/L

LDL CHOLESTEROL	M/F	<=2 Y	No Range	mmol/L
LDL CHOLESTEROL	M/F	3 - 17 Y	1.60-2.80	mmol/L
LDL CHOLESTEROL	M/F	18 - 29 Y	1.50-3.00	mmol/L
LDL CHOLESTEROL	M/F	>=30 Y	1.50-3.40	mmol/L

TRIGLYCERIDE	M/F	<2 Y	No Range	mmol/L
TRIGLYCERIDE	M/F	2 - 17 Y	<1.21	mmol/L
TRIGLYCERIDE	M/F	>17 Y	<2.21	mmol/L

LIPID PROFILE PARTIAL

CHOLESTEROL	M/F	<= 18 Y	2.00-4.39	mmol/L
CHOLESTEROL	M/F	19 - 29 Y	2.00-4.59	mmol/L
CHOLESTEROL	M/F	>=30 Y	2.00-5.19	mmol/L

HDL CHOLESTEROL (HDL-Cholesterol)	F	>=18 Y	>1.19	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M	>=18 Y	>0.99	mmol/L
HDL CHOLESTEROL (HDL-Cholesterol)	M/F	3 - 17 Y	>1.09	mmol/L

LIPOPROTEIN (a)

LIPOPROTEIN (a) (Lp(a))	M/F	<150 Y	<300	mg/L
-------------------------	-----	--------	------	------

Sex Age**Interval****Unit****LITHIUM**

LITHIUM	M/F	<66 Y	0.50-1.20	mmol/L
LITHIUM	M/F	>=66 Y	0.20-0.80	mmol/L

LUPUS ANTICOAGULANT

APTT Screen	M/F	<100 Y	<1.4 LA Not Present	
-------------	-----	--------	---------------------	--

LUTEINIZING HORM

LUTEINIZING HORM (LH)	F	<12 M	<3.3	U/L
LUTEINIZING HORM (LH)	F	1 - 5 Y	<0.3	U/L
LUTEINIZING HORM (LH)	F	6 - 10 Y	<0.5	U/L
LUTEINIZING HORM (LH)	F	11 - 14 Y	<15.3	U/L
LUTEINIZING HORM (LH)	F	Follicular/Luteal >=15 Y	2.4-6.6	U/L
LUTEINIZING HORM (LH)	F	Mid-cycle >=15 Y	9.1-74.2	U/L
LUTEINIZING HORM (LH)	F	Post Menopausal >=15 Y	11.3-58.0	U/L
LUTEINIZING HORM (LH)	M	<12 M	<6.3	U/L
LUTEINIZING HORM (LH)	M	1 - 5 Y	<0.9	U/L
LUTEINIZING HORM (LH)	M	6 - 10 Y	<1.0	U/L
LUTEINIZING HORM (LH)	M	11 - 14 Y	<5.4	U/L
LUTEINIZING HORM (LH)	M	15 - 20 Y	0.8-4.9	U/L
LUTEINIZING HORM (LH)	M	>20 Y	1.1-8.8	U/L

MAGNESIUM

MAGNESIUM	M/F	<150 Y	0.64-0.98	mmol/L
-----------	-----	--------	-----------	--------

MAGNESIUM RBC

MAGNESIUM RBC	M/F	<100 Y	1.65-2.52	mmol/L
---------------	-----	--------	-----------	--------

	Sex	Age	Interval	Unit
MANGANESE BLOOD				
MANGANESE BLOOD	M/F	<100 Y	5--18	mcg/L

MANGANESE PLASMA

MANGANESE PLASMA	M/F	< 1 Y	7.3--50.2	nmol/L
MANGANESE PLASMA	M/F	1-5 Y	14.9--67.0	nmol/L
MANGANESE PLASMA	M/F	6-9 Y	5.3--40.8	nmol/L
MANGANESE PLASMA	M/F	10-13 Y	7.6--36.4	nmol/L
MANGANESE PLASMA	M/F	>= 14 Y	8.0--20.7	nmol/L

	Sex	Age	Interval	Unit
MANGANESE URINE				
MANGANESE RANDOM URINE (Creatinine Urine)	F	<=11 Y	2.0--14.7	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	12-19 Y	3.6--25.6	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	20-29 Y	1.9--23.1	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	30-39 Y	1.2--21.4	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	40-49 Y	0.8--18.2	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	50-59 Y	1.1--15.3	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	60-69 Y	1.2--15.5	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	70-79 Y	1.3--15.4	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	F	>79 Y	0.9--10.6	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	<=11 Y	3.5--15.0	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	12-19 Y	4.4--25.4	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	20-29 Y	4.8--27.8	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	30-39 Y	2.5--24.6	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	40-49 Y	2.4--23.7	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	50-59 Y	2.2--21.3	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	60-69 Y	2.7--19.9	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	70-79 Y	2.8--18.5	mmol/L
MANGANESE RANDOM URINE (Creatinine Urine)	M	>79 Y	2.5--15.7	mmol/L
MANGANESE RANDOM URINE (Manganese Urine)	M/F	<100 Y	1.3--9.1	nmol/L
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	<=11 Y	0.14--1.08	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	12-19 Y	0.09--0.66	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	20-29 Y	0.10--0.75	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	30-39 Y	0.13--0.90	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	40-49 Y	0.15--1.07	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	50-59 Y	0.18--1.26	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	60-69 Y	0.17--1.25	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	70-79 Y	0.18--1.30	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	F	>79 Y	0.22--1.60	umol/mol Cr

	Sex	Age	Interval	Unit
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	<=11 Y	0.14--1.03	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	12-19 Y	0.09--0.64	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	20-29 Y	0.08--0.57	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	30-39 Y	0.09--0.66	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	40-49 Y	0.10--0.70	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	50-59 Y	0.11--0.81	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	60-69 Y	0.12--0.84	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	70-79 Y	0.13--0.91	umol/mol Cr
MANGANESE RANDOM URINE (Manganese/Cr ratio)	M	>79 Y	0.14--1.03	umol/mol Cr

METHYLMALONIC ACID PLASMA

METHYLMALONIC ACID PLASMA (Methylmalonic Acid)	M/F	<100 Y	0.10 - 0.40	umol/L
--	-----	--------	-------------	--------

MITOCHONDRIAL AB

MITOCHONDRIAL AB (AMA TITRE)	M/F	<100 Y	Titre <1:20	
MITOCHONDRIAL AB	M/F	<100 Y	Negative	

NICKEL PLASMA

NICKEL PLASMA	M/F	<100 Y	< 2.0	mcg/L
---------------	-----	--------	-------	-------

NICKEL RANDOM URINE

NICKEL RANDOM URINE (Nickel Rand Urine)	M/F	<100 Y	<6.0	mcg/L
NICKEL RANDOM URINE (Nickel/Creat Urine)	M/F	<100 Y	<6	mcg/ g crea

OLANZAPINE

OLANZAPINE	M/F	<100 Y	32-256	nmol/L
------------	-----	--------	--------	--------

OPIATES URINE

OPIATES URINE (Opiates)	M/F	<100 Y	Negative	
-------------------------	-----	--------	----------	--

Sex Age**Interval****Unit****OSMOLALITY**

OSMOLALITY	M/F	<=60 Y	270--295	mOsmol/kg
OSMOLALITY	M/F	>60 Y	280--300	mOsmol/kg

PARATHYROID HORMONE

PARATHYROID HORMONE (PTH)	M/F	<100 Y	<7.0	pmol/L
---------------------------	-----	--------	------	--------

PARIETAL CELL AB

PARIETAL CELL AB (APCA TITRE)	M/F	<100 Y	Titre <1:20	
PARIETAL CELL AB	M/F	<100 Y	Negative	

PEANUT COMPONENT PANEL

PEANUT COMPONENT (Peanut rAra h1)	M/F	<100 Y	<0.35	KU/L
PEANUT COMPONENT (Peanut rAra h2)	M/F	<100 Y	<0.35	KU/L
PEANUT COMPONENT (Peanut rAra h3)	M/F	<100 Y	<0.35	KU/L
PEANUT COMPONENT (Peanut rAra h8)	M/F	<100 Y	<0.35	KU/L
PEANUT COMPONENT (Peanut rAra h9)	M/F	<100 Y	<0.35	KU/L

PHENOBARBITAL

PHENOBARBITAL	M/F	<=10 Y	43--172	umol/L
PHENOBARBITAL	M/F	11-100 Y	65--172	umol/L

PHENYTOIN

PHENYTOIN	M/F	<=3 M	24-55	umol/L
PHENYTOIN	M/F	4 M-100 Y	40--80	umol/L

PHOSPHORUS

PHOSPHORUS	M/F	<=30 D	1.4-3.0	mmol/L
PHOSPHORUS	M/F	1 - 12 M	1.5-2.1	mmol/L
PHOSPHORUS	M/F	>1 Y	0.8-1.5	mmol/L

Sex Age**Interval****Unit****PLASMA POTASSIUM**

Plasma Potassium	F	<100 Y	3.4-4.4	mmol/L
Plasma Potassium	M	<100 Y	3.5-4.5	mmol/L

POST VASECTOMY

POST VASECTOMY (Sperm Estimate)	M	<100 Y	<100000	sperm/mL
---------------------------------	---	--------	---------	----------

POTASSIUM

POTASSIUM	M/F	<100 Y	3.5-5.0	mmol/L
-----------	-----	--------	---------	--------

PROGESTERONE

PROGESTERONE	F	<4 D	No Range	nmol/L
PROGESTERONE	F	4 D - 1 Y	<4.2	nmol/L
PROGESTERONE	F	2 - 10 Y	<1.1	nmol/L
PROGESTERONE	F	11 - 14 Y	0.4-2.7	nmol/L
PROGESTERONE	F	Follicular \geq 15 Y	<1.7	nmol/L
PROGESTERONE	F	Luteal \geq 15 Y	2.2 - 60	nmol/L
PROGESTERONE	F	Post Menopausal \geq 15 Y	<0.7	nmol/L
PROGESTERONE	M	<30 D	No Range	nmol/L
PROGESTERONE	M	30 D - 1 Y	<2.1	nmol/L
PROGESTERONE	M	2 - 10 Y	<1.1	nmol/L
PROGESTERONE	M	11 - 15 Y	0.4-2.7	nmol/L
PROGESTERONE	M	>15 Y	0.4-1.8	nmol/L

	Sex	Age	Interval	Unit
PROLACTIN				
PROLACTIN	F	<12 M	3.3-110.0	ug/L
PROLACTIN	F	1 - 5 Y	3.9-32.0	ug/L
PROLACTIN	F	6 - 10 Y	2.9-35.0	ug/L
PROLACTIN	F	11 - 14 Y	4.2-23.0	ug/L
PROLACTIN	F	15 - 20 Y	4.2-23.0	ug/L
PROLACTIN	F	>20 Y	4.2-28.2	ug/L
PROLACTIN	M	<12 M	3.3-110.0	ug/L
PROLACTIN	M	1 - 5 Y	3.9-32.0	ug/L
PROLACTIN	M	6 - 10 Y	2.9-35.0	ug/L
PROLACTIN	M	11 - 14 Y	3.5-16.3	ug/L
PROLACTIN	M	15 - 20 Y	4.6-21.0	ug/L
PROLACTIN	M	>20 Y	3.8-20.6	ug/L

PROLACTIN MONOMER

PROLACTIN MONOMER	F	<150 Y	1.8-19.9	ug/L
PROLACTIN MONOMER	M	<150 Y	1.5-14.6	ug/L

PROTEIN C ACTIVITY

PROTEIN C (PROTEIN C ACTIVITY)	M/F	<100 Y	=>0.75	U/mL
--------------------------------	-----	--------	--------	------

PROTEIN ELECTROPHORESIS

PROTEIN ELECTROPHORESIS (Albumin)	M/F	<150 Y	35.0--50.0	g/L
PROTEIN ELECTROPHORESIS (ALPHA-1)	M/F	<150 Y	2.0--4.0	g/L
PROTEIN ELECTROPHORESIS (ALPHA-2)	M/F	<150 Y	5.0--9.0	g/L
PROTEIN ELECTROPHORESIS (BETA-1)	M/F	<150 Y	3.0--6.0	g/L
PROTEIN ELECTROPHORESIS (BETA-2)	M/F	<150 Y	2.0--5.0	g/L
PROTEIN ELECTROPHORESIS (GAMMA)	M/F	<150 Y	7.0--14.0	g/L
Total Protein (Protein total)	M/F	<150 Y	60--80	g/L

Sex Age**Interval****Unit****PROTEIN S ACTIVITY**

PROTEIN S (PROTEIN S ACTIVITY)	F	<100 Y	=>0.60	U/mL
PROTEIN S (PROTEIN S ACTIVITY)	M	<100 Y	=>0.65	U/mL

PROTEIN TOTAL

PROTEIN TOTAL	M/F	<100 Y	60-80	g/L
---------------	-----	--------	-------	-----

PROTHROMBIN TIME

PROTHROMBIN TIME (INR)	M/F	<100 Y	0.8--1.2 Therapeutic INR range may vary based on patient's condition. Please consult with Specialist/Healthcare Provider for the appropriate therapeutic range.	
------------------------	-----	--------	--	--

	Sex	Age	Interval	Unit
PSA				
PSA	F	<50 Y	<2.5 The reference range is based on males.	ug/L
PSA	F	50 - 59 Y	<3.5 The reference range is based on males.	ug/L
PSA	F	60 - 69 Y	<4.5 The reference range is based on males.	ug/L
PSA	F	>69 Y	<6.0 The reference range is based on males.	ug/L
PSA	M	<50 Y	<2.5	ug/L
PSA	M	50 - 59 Y	<3.5	ug/L
PSA	M	60 - 69 Y	<4.5	ug/L
PSA	M	>69 Y	<6.0	ug/L

PSA RATIO - MONITORING

PSA RATIO MONITORING (Total PSA)	M/F	<100 Y	<4.0	ug/L
----------------------------------	-----	--------	------	------

QUANTIFERON TB GOLD

QUANTIFERON TB GOLD (QUANTIFERON GOLD)	M/F	<100 Y	NEGATIVE	
--	-----	--------	----------	--

RENIN (SUPINE)

RENIN SUPINE (ARR SUPINE)	M/F	< 100 Y	<50	
RENIN SUPINE	---	---	No Range	ng/L

RENIN (UPRIGHT)

RENIN UPRIGHT (ARR UPRIGHT)	M/F	< 100 Y	<50	
RENIN UPRIGHT	M/F	<100 Y	5--75	ng/L

	Sex	Age	Interval	Unit
RETICULOCYTE COUNT				
RETICULOCYTE COUNT (ABSOLUTE RETICULOCYTE)	M/F	1 D - 5 M	100--300	10*9/L
RETICULOCYTE COUNT (ABSOLUTE RETICULOCYTE)	M/F	6 M - 5 Y	40--120	10*9/L
RETICULOCYTE COUNT (ABSOLUTE RETICULOCYTE)	M/F	6 Y - 18 Y	30--180	10*9/L
RETICULOCYTE COUNT (ABSOLUTE RETICULOCYTE)	M/F	=>19 Y	35--120	10*9/L
RETICULOCYTE COUNT (IMMATURE RETICULOCYTE FRACTION)	M/F	< 19 Y	No established Reference Interval available. Adult range is 2.0 - 13.1 %.	%
RETICULOCYTE COUNT (IMMATURE RETICULOCYTE FRACTION)	M/F	=> 19 Y	2.0--13.1	%
RETICULOCYTE COUNT (RETICULOCYTE HGB CONTENT)	M/F	< 19 Y	No established Reference Interval available. Adult Range is 28.6 - 36.3 pg.	pg
RETICULOCYTE COUNT (RETICULOCYTE HGB CONTENT)	M/F	=> 19 Yr	28.6--36.3	pg

REVERSE T3

REVERSE T3	M/F	<100 Y	8 - 25	ng/dL
------------	-----	--------	--------	-------

RHEUMATOID FACTOR

RHEUMATOID FACTOR	M/F	<150 Y	<12	kU/L
-------------------	-----	--------	-----	------

SELENIUM

SELENIUM (Selenium serum)	M/F	<= 1 Y	No Range	umol/L
SELENIUM (Selenium serum)	M/F	>1 Y	1.20--2.09	umol/L

Sex Age**Interval****Unit****SEMEN ANALYSIS**

SEMEN ANALYSIS3 (Immature Forms)	M	<100 Y	<3	/100 sperm
SEMEN ANALYSIS3 (Normal Forms)	M	<100 Y	=>4	%
SEMEN ANALYSIS2 (Prog.Motility)	M	<100 Y	=>32	%
SEMEN ANALYSIS2 (Sperm Concen)	M	<100 Y	=>15	10*6/mL
SEMEN ANALYSIS2 (Total Motility)	M	<100 Y	=>40	%
SEMEN ANALYSIS2 (Total Sperm Count)	M	<100 Y	=>39	10*6/ejac
SEMEN ANALYSIS2 (Vitality)	M	<100 Y	=>58	%
SEMEN ANALYSIS2 (Volume)	M	<100 Y	=>1.5	mL

SEX HORMONE BINDING GLOBULIN

SEX HORMONE BINDING GLOBULIN (SHBG)	F	<13 Y	20.0--180.0 Reference intervals are for adults.	nmol/L
SEX HORMONE BINDING GLOBULIN (SHBG)	F	13-100 Y	20.0--180.0	nmol/L
SEX HORMONE BINDING GLOBULIN (SHBG)	M	<13 Y	10.0--70.0 Reference intervals are for adults.	nmol/L
SEX HORMONE BINDING GLOBULIN (SHBG)	M	13-50 Y	10.0--70.0	nmol/L
SEX HORMONE BINDING GLOBULIN (SHBG)	M	>50 Y	19.0--76.0	nmol/L

SMOOTH MUSCLE AB

SMOOTH MUSCLE AB (ASMA TITRE)	M/F	<100 Y	Titre <1:20	
SMOOTH MUSCLE AB	M/F	<100 Y	Negative	

SODIUM

SODIUM	M/F	<100 Y	135-145	mmol/L
--------	-----	--------	---------	--------

SOLUBLE TRANSFERRIN RECEPTOR

SOLUBLE TRANSFERRIN RECEPTOR AB (Transferrin Rcptr)	M/F	< 100 Y	0.6 - 1.6	mg/L
---	-----	---------	-----------	------

Sex Age**Interval****Unit****SPECIFIC ALLERGEN IgE**

SPECIFIC ALLERGEN IgE (SPECIFIC IGE)	M/F	<100 Y	<0.35	kU/L
--------------------------------------	-----	--------	-------	------

STOOL FAT QUANTITATIVE 24H

STOOL FAT QUANTITATIVE 24H (TOTAL GRAMS FAT PER D)	M/F	<7 Y	<2	g/d
--	-----	------	----	-----

STOOL FAT QUANTITATIVE 24H (TOTAL GRAMS FAT PER D)	M/F	7 - 150 Y	<7	g/d
--	-----	-----------	----	-----

STOOL FAT QUANTITATIVE 48H

STOOL FAT QUANTITATIVE 48H (TOTAL GRAMS FAT PER D)	M/F	<7 Y	<2	g/d
--	-----	------	----	-----

STOOL FAT QUANTITATIVE 48H (TOTAL GRAMS FAT PER D)	M/F	7 - 150 Y	<7	g/d
--	-----	-----------	----	-----

STOOL FAT QUANTITATIVE 72H

STOOL FAT QUANTITATIVE 72H (TOTAL GRAMS FAT PER D)	M/F	<7 Y	<2	g/d
--	-----	------	----	-----

STOOL FAT QUANTITATIVE 72H (TOTAL GRAMS FAT PER D)	M/F	7 - 150 Y	<7	g/d
--	-----	-----------	----	-----

T3 FREE

T3 FREE	F	12-14 Y	3.84--6.06	pmol/L
---------	---	---------	------------	--------

T3 FREE	F	15-18 Y	3.55--5.70	pmol/L
---------	---	---------	------------	--------

T3 FREE	M	12-14 Y	4.44--6.65	pmol/L
---------	---	---------	------------	--------

T3 FREE	M	15-18 Y	3.46--5.92	pmol/L
---------	---	---------	------------	--------

T3 FREE	M/F	<12 M	3.56--7.48	pmol/L
---------	-----	-------	------------	--------

T3 FREE	M/F	1-11 Y	4.29--6.79	pmol/L
---------	-----	--------	------------	--------

T3 FREE	M/F	>= 19 Y	2.60--5.80	pmol/L
---------	-----	---------	------------	--------

TACROLIMUS

TACROLIMUS	---	---	No Range	ug/L
------------	-----	-----	----------	------

	Sex	Age	Interval	Unit
TESTOSTERONE				
TESTOSTERONE (TESTOSTERONE (T))	F	<13 Y	<1.8 Reference intervals are for adults.	nmol/L
TESTOSTERONE (TESTOSTERONE (T))	F	13-50 Y	<1.8	nmol/L
TESTOSTERONE (TESTOSTERONE (T))	F	>50 Y	<1.5	nmol/L
TESTOSTERONE (TESTOSTERONE (T))	M	<13Y	8.4--28.8 Reference intervals are for adults.	nmol/L
TESTOSTERONE (TESTOSTERONE (T))	M	13-100 Y	8.4--28.8	nmol/L
THEOPHYLLINE				
THEOPHYLLINE	M/F	<100 Y	55--110	umol/L
THIOCYANATE				
THIOCYANATE	M/F	<100 Y	Normal:	mcg/mL
THIOCYANATE	M/F	<100 Y	Non-Smokers: Usually less than 8 mcg/mL	mcg/mL
THIOCYANATE	M/F	<100 Y	Smokers: Usually less than 16 mcg/mL	mcg/mL
THIOCYANATE	M/F	<100 Y	Nitroprusside therapeutic range: 6-29 mcg/mL	mcg/mL
THYROGLOBULIN				
THYROGLOBULIN	M/F	<100 Y	<60.0	ug/L
THYROGLOBULIN AB				
THYROGLOBULIN AB	M/F	<100 Y	<40	IU/mL
THYROID PEROXIDASE AB				
THYROID PEROXIDASE AB (anti-TPO)	M/F	<100 Y	<35	IU/mL

Sex Age**Interval****Unit****TITANIUM**

TITANIUM	M/F	<100 Y	0.0-5.8	nmol/L
TITANIUM	M/F	<100 Y	0.0-0.28	ug/L

TRANSFERRIN

TRANSFERRIN	F	>= 19 Y	2.00--4.00	g/L
TRANSFERRIN	M	>=19 Y	2.00--3.30	g/L
TRANSFERRIN	M/F	0 - 2 M	1.11--2.43	g/L
TRANSFERRIN	M/F	3 - <1 Y	1.15--3.52	g/L
TRANSFERRIN	M/F	1 - <19 Y	2.38--3.66	g/L

TRIGLYCERIDE

TRIGLYCERIDE	M/F	<2 Y	No Range	mmol/L
TRIGLYCERIDE	M/F	2 - 17 Y	<1.21	mmol/L
TRIGLYCERIDE	M/F	>17 Y	<2.21	mmol/L

TROPONIN T

TROPONIN T	M/F	<1 Y	No reference range available.	ng/L
TROPONIN T	M/F	1 - 100 Y	<14	ng/L

TRYPTASE

TRYPTASE	M/F	<100 Y	3.8 - 11.4	ug/L
----------	-----	--------	------------	------

	Sex	Age	Interval	Unit
TSH	F	<12 M	0.88-5.42	mU/L
TSH	F	1 - 5 Y	0.66-4.74	mU/L
TSH	F	6 - 10 Y	0.70-4.17	mU/L
TSH	F	11 - 14 Y	0.47-4.13	mU/L
TSH	F	15 - 20 Y	0.47-3.41	mU/L
TSH	F	15 - 20 Y	Gestational reference intervals: 1st Trimester 0.10-3.50 mU/L 2nd Trimester 0.30-3.50 mU/L 3rd Trimester 0.45-4.00 mU/L	mU/L
TSH	F	21 - 50 Y	0.32 - 5.04	mU/L
TSH	F	21 - 50 Y	Gestational reference intervals: 1st Trimester 0.10-3.50 mU/L 2nd Trimester 0.30-3.50 mU/L 3rd Trimester 0.45-4.00 mU/L	mU/L
TSH	M	<12 M	0.88-5.42	mU/L
TSH	M	1 - 5 Y	0.67-4.50	mU/L
TSH	M	6 - 10 Y	0.70-4.17	mU/L
TSH	M	11 - 14 Y	0.58-3.59	mU/L
TSH	M	15 - 20 Y	0.47-3.41	mU/L
TSH	M	21 - 50 Y	0.32 - 5.04	mU/L
TSH	M/F	>50 Y	0.32-5.04	mU/L
UREA	M/F	<100 Y	2.0-9.0	mmol/L

	Sex	Age	Interval	Unit
URIC ACID				
URIC ACID	F	<100 Y	140-360	umol/L
URIC ACID	M	<100 Y	150-430	umol/L
URINE ALBUMIN 24H				
URINE MICROALBUMIN 24H (Albumin urine 24h)	M/F	<150 Y	<30	mg/d
URINE ALBUMIN QNT				
URINE MICROALBUMIN QNT (ACR)	F	<150 Y	<2.8	mg/mmol
URINE MICROALBUMIN QNT (ACR)	M	<150 Y	<2.0	mg/mmol
URINE ALDOSTERONE 24H				
URINE ALDOSTERONE 24H (UR ALDOSTERONE)	M/F	< 150 Y	10-39	nmol/d
URINE AMPHETAMINE CONFIRM IF POS				
AMPHETAMINE URINE (Amphetamines)	M/F	<100 Y	Negative	
URINE AMYLASE				
AMYLASE URINE (Amylase Urine Random)	M/F	<150 Y	<500	U/L
URINE ARSENIC 24H				
ARSENIC URINE 24H	M/F	<100 Y	<1600	nmol/d
URINE BENZODIAZEPINE CONFIRM IF POS				
BENZODIAZEPINE URINE (Benzodiazepines)	M/F	<100 Y	Negative	
URINE CALCIUM 24H				
URINE CALCIUM 24H (Calcium urine 24h)	M/F	<150 Y	1.0--7.0	mmol/d
URINE CALCIUM/CREATININE RATIO				
URINE CAL/CRE RATIO (Calcium/Creat rdm)	M/F	<150 Y	0.01--0.39	

	Sex	Age	Interval	Unit
URINE CALCIUM/CREATININE RATIO 2H				
URINE CAL/CRE RATIO 2H (Ca/Creat 2h ratio)	M/F	<150 Y	0.01--0.39	
URINE CATECHOLAMINES 24H				
URINE CATECHOLAMINES 24H (Dopamine)	M/F	<100 Y	400--3300	nmol/d
URINE CATECHOLAMINES 24H (Epinephrine)	M/F	<100 Y	<90	nmol/d
URINE CATECHOLAMINES 24H (Norepinephrine)	M/F	<100 Y	<650	nmol/d
URINE CHLORIDE 24H				
URINE CHLORIDE 24h (Chloride urine 24h)	M/F	<=61 Y	95--195	mmol/d
URINE CHLORIDE 24h (Chloride urine 24h)	M/F	>61 Y	110--250	mmol/d
URINE CITRATE 24H				
URINE CITRATE 24H (Citrate urine 24h)	M/F	<100 Y	0.7--4.9	mmol/d
URINE COCAINE CONFIRM IF POS				
COCAINE URINE (Cocaine)	M/F	<100 Y	Negative	
URINE COPPER 24H				
URINE COPPER 24h (Copper urine 24h)	M/F	<100 Y	<0.94	umol/d
URINE CREATININE 24H				
URINE CREATININE 24H (Creatinine 24h)	F	>=16 Y	5.0--16.0	mmol/d
URINE CREATININE 24H (Creatinine 24h)	M	>=16 Y	7.0--18.0	mmol/d
URINE GLUCOSE 24h				
URINE GLUCOSE 24H (Glucose urine 24h)	M/F	<150 Y	<1.0	mmol/d
URINE LEAD 24H				
URINE LEAD 24H (Lead urine 24h)	M/F	<100 Y	<0.39	umol/d

	Sex	Age	Interval	Unit
URINE MACROSCOPIC				
URINE MACROSCOPIC (SPECIFIC GRAVITY)	M/F	<100 Y	1.003--1.035	
URINE MACROSCOPIC (URINE GLUCOSE)	M/F	<100 Y	<2.8	mmol/L
URINE MACROSCOPIC (URINE HEMOGLOBIN)	M/F	<100 Y	<0.3	mg/L
URINE MACROSCOPIC (URINE KETONES)	M/F	<100 Y	<0.5	mmol/L
URINE MACROSCOPIC (URINE LEUKOCYTES)	M/F	<100 Y	<25	Leu/uL
URINE MACROSCOPIC (URINE NITRITE)	M/F	<100 Y	Neg	
URINE MACROSCOPIC (URINE PH)	M/F	<100 Y	5.0--8.0	
URINE MACROSCOPIC (URINE PROTEIN)	M/F	<100 Y	<0.3	g/L

URINE MAGNESIUM 24H

URINE MAGNESIUM 24H (Magnesium ur 24h)	M/F	<150 Y	3.0--5.0	mmol/d
--	-----	--------	----------	--------

URINE MERCURY 24H

URINE MERCURY 24H (Mercury urine 24h)	M/F	<100 Y	<50	nmol/d
---------------------------------------	-----	--------	-----	--------

URINE METANEPHRINE 24H

METANEPHRINE 24h UR (Metanephrine)	M/F	<100 Y	<0.20	umol/d
METANEPHRINE 24h UR (Normetanephrine)	M/F	<100 Y	<0.40	umol/d

	Sex	Age	Interval	Unit
URINE MICROSCOPIC				
URINE MICROSCOPIC (BROAD CASTS)	M/F	<100 Y	None present	/LPF
URINE MICROSCOPIC (CELLULAR CASTS)	M/F	<100 Y	None present	/LPF
URINE MICROSCOPIC (EPITHELIAL CASTS)	M/F	<100 Y	0-1	/LPF
URINE MICROSCOPIC (FAT)	M/F	<100 Y	None present	
URINE MICROSCOPIC (FATTY CASTS)	M/F	<100 Y	None present	/LPF
URINE MICROSCOPIC (GRANULAR CASTS)	M/F	<100 Y	0-1	/LPF
URINE MICROSCOPIC (HYALINE CASTS)	M/F	<100 Y	0-5	/LPF
URINE MICROSCOPIC (NON-SQUAMOUS EPI)	M/F	<100 Y	0-5	/HPF
URINE MICROSCOPIC (RBC CASTS)	M/F	<100 Y	None present	/LPF
URINE MICROSCOPIC (RENAL EPITHELIAL)	M/F	<100 Y	0-1	/HPF
URINE MICROSCOPIC (TRANSITIONAL EPI)	M/F	<100 Y	0-5	/HPF
URINE MICROSCOPIC (URINE RBC)	M/F	<100 Y	0-2	/HPF
URINE MICROSCOPIC (URINE WBC)	M/F	<100 Y	0-5	/HPF
URINE MICROSCOPIC (WAXY CASTS)	M/F	<100 Y	None present	/LPF
URINE MICROSCOPIC (WBC CASTS)	M/F	<100 Y	None present	/LPF

URINE OPIATES CONFIRM IF POS

OPIATES URINE (Opiates)	M/F	<100 Y	Negative	
-------------------------	-----	--------	----------	--

URINE OSMOLALITY

URINE OSMOLALITY (u-Osmolality)	M/F	<100 Y	50--1200	mOsmol/kg
---------------------------------	-----	--------	----------	-----------

URINE OSMOLALITY 24H

URINE OSMOLALITY 24H (u-Osmolality 24h)	M/F	<100 Y	300--900	mOsmol/kg
---	-----	--------	----------	-----------

URINE OXALATE 24H

URINE OXALATE 24H (Oxalate urine 24h)	F	>= 13 Y	40--340	umol/d
URINE OXALATE 24H (Oxalate urine 24h)	M	>= 13 Y	80--490	umol/d
URINE OXALATE 24H (Oxalate urine 24h)	M/F	<13 Y	No Reference Range	umol/d

	Sex	Age	Interval	Unit
URINE PHOSPHORUS 24H				
URINE PHOSPHORUS 24H (Phosphorus ur 24h)	M/F	<150 Y	<32	mmol/d
URINE POTASSIUM 24H				
URINE POTASSIUM 24H (Potassium ur 24h)	M/F	<150 Y	35--90	mmol/d
URINE PROTEIN 12H				
URINE PROTEIN 12H (Protein urine 12h)	M/F	<150 Y	<0.15	g/L
URINE PROTEIN ELECTROPHORESIS 24H				
Protein Urine 24h	M/F	<100 Y	<0.15	g/d
URINE CREATININE 24H (Creatinine 24h)	F	>=16 Y	5.0--16.0	mmol/d
URINE CREATININE 24H (Creatinine 24h)	M	>=16 Y	7.0--18.0	mmol/d
URINE PROTEIN/CREAT RATIO				
URINE PROTEIN/CREAT (Prot/Creat ratio)	M/F	<100 Y	<30	g/mol
URINE PROTEIN/CREAT RATIO 24H				
URINE PROTEIN/CREAT 24H (Prot/Creat 24h)	M/F	<100 Y	<30	g/mol
URINE SODIUM 24H				
URINE SODIUM 24H (Sodium urine 24h)	M/F	<150 Y	40--220	mmol/d
URINE THALLIUM 24H				
THALLIUM URINE 24H	M/F	<100 Y	<49	nmol/d
URINE UREA 24H				
URINE UREA 24H (Urea urine 24h)	M/F	<150 Y	180--610	mmol/d
URINE URIC ACID 24H				
URINE URIC ACID 24H (Uric Acid ur 24h)	M/F	<150 Y	<5.9	mmol/d

	Sex	Age	Interval	Unit
URINE VMA 24H				
VMA 24H URINE (VMA)	M/F	<100 Y	<38	umol/d
URINE ZINC 24H				
URINE ZINC 24h (Zinc urine 24h)	M/F	<100 Y	1.5-9.2	nmol/d
VALPROIC ACID				
VALPROIC ACID	M/F	<100 Y	350--830	umol/L
VANADIUM RANDOM URINE				
VANADIUM RANDOM UR (Vanadium Rand Ur)	M/F	<100 Y	<1	mcg/L
VANADIUM RANDOM UR (Vanadium/Creat Ur)	M/F	<100 Y	<1	mcg/g crea
VISCOSITY				
VISCOSITY	M/F	<100 Y	1.4--1.8	
VITAMIN A				
VITAMIN A	M/F	<100 Y	1.2 - 2.8	umol/L
VITAMIN B1				
VITAMIN B1	M/F	<150 Y	8--30	nmol/L
VITAMIN B12				
VITAMIN B12	M/F	5 D - 1 Y	191-1163	pmol/L
VITAMIN B12	M/F	2 - 8 Y	209-1190	pmol/L
VITAMIN B12	M/F	9 - 13 Y	186-830	pmol/L
VITAMIN B12	M/F	14 - 16 Y	180-655	pmol/L
VITAMIN B12	M/F	17 - 18 Y	150-599	pmol/L
VITAMIN B12	M/F	>18 Y	153-655	pmol/L
VITAMIN B6				
VITAMIN B6	M/F	<100 Y	20--96	nmol/L

	Sex	Age	Interval	Unit
VITAMIN C				
VITAMIN C (Ascorbic Acid)	M/F	<100 Y	Deficient: <11	umol/L
VITAMIN C (Ascorbic Acid)	M/F	<100 Y	Suboptimal: 11-28	umol/L
VITAMIN C (Ascorbic Acid)	M/F	<100 Y	Adequate: >28	umol/L

VITAMIN E				
VITAMIN E	M/F	0 - 2 M	2.3 - 8.1	umol/L
VITAMIN E	M/F	3 - 6 M	5 - 14	umol/L
VITAMIN E	M/F	7 M - 1 Y	8 - 19	umol/L
VITAMIN E	M/F	2 Y - 12 Y	12 - 21	umol/L
VITAMIN E	M/F	>12 Y	12 - 46	umol/L

ZINC				
ZINC (Zinc serum)	M/F	<100 Y	9.2-26.0	umol/L

ZINC PROTOPORPHYRIN-PRIVATE PAY				
ZINC PROTOPORPHYRIN-PRIVATE PAY (ZPP)	M/F	<100 Y	30-80	mcmol/mol

ZOPICLONE URINE				
Zopiclone Urine (Zopiclone)	M/F	<100Y	Negative	