

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
AAPH	Acetaminophen, serum	ALL	20.0 - 40.0 mg/L	20.0 - 40.0 ug/mL	None
AFPT	Alpha-fetoprotein, serum/plasma	0 – 30 days	0.6 – 200,000 ng/mL	0.6 – 200,000 ng/mL	None
		31 days – 5 months	48 – 1210 ng/mL	48 – 1210 ng/mL	None
		>5 months – 1 year	3.5 – 69.0 ng/mL	3.5 – 69.0 ng/mL	None
		>1 year	0.6 – 8.3 ng/mL	0.6 – 8.3 ng/mL	None
ALB	Albumin, serum/plasma	0-1 year	2.9-5.5 g/dL	2.9-5.5 g/dL	None
		>1-2 years	3.8 - 4.8 g/dL	3.8 - 4.8 g/dL	None
		>2 years	3.5 - 4.8 g/dL	3.5 - 4.8 g/dL	None
					None
ALC	Ethyl Alcohol (Ethanol), plasma/serum	ALL	0-10.1 mg/dL	0-10.1 mg/dL	None
ALKP	Alkaline Phosphatase, serum/plasma	0-2 Months	81-484 U/L	81-484 U/L	None
		>2 Months - 2 Years	151-605 U/L	151-605 U/L	None
		>2 Years - 6 Years	105-514 U/L	105-514 U/L	None
		>6 Years - 8 Years	151-605 U/L	151-605 U/L	None
		>8 Years - 10 Years	151-454 U/L	151-454 U/L	None
		>10 Years - 12 Years	126-575 U/L	99-575 U/L	None
		>12 Years - 14 Years	121-442 U/L	167-530 U/L	None
		>14 Years - 16 Years	39-374 U/L	132-553 U/L	None
		>16 Years - 19 Years	46-163 U/L	56-149 U/L	None
		>19 Years	51-155 U/L	54-180 U/L	None
ALT	Alanine Transaminase, serum/plasma	ALL	0-33 U/L	0-41 U/L	None
AMY	Amylase	ALL	30-115 U/L	30-115 U/L	None
NH3	Ammonia, plasma	0 - 7 days	64 – 107 umol/L	64 – 107 umol/L	None
		>7 days – 1 month	55 – 90 umol/L	55 – 90 umol/L	None
		>1 – 2 months	20 – 55 umol/L	20 – 55 mmol/L	None
		>2months – 15 years	29 – 59 umol/L	29 – 59 umol/L	None
		>15 years	9 – 37 umol/L	9 – 37 umol/L	None
ASO	Streptolysin O, serum	0 - 18 years	0 - 150 IU/mL	0 - 150 IU/mL	None
		>18 years	0 – 200 IU/mL	0 – 200 IU/mL	None
AST	Aspartate Transaminase, serum/plasma	0-1 year	NOT ESTABLISHED	NOT ESTABLISHED	None
		>1year -14 years	8-50 U/L	8-60 U/L	None

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		>14 years	8-43 U/L	8-48 U/L	None
BHOB	Beta-hydroxybutyrate, serum/plasma	ALL	0.02-0.27 mmol/L	0.02-0.27 mmol/L	None
VB12	Vitamin B12, serum	ALL	211 – 946 pg/mL	211 – 946 pg/mL	None
BILD	Bilirubin, Direct, plasma/serum	ALL	0.0 – 0.30 mg/dL	0.0 – 0.30 mg/dL	None
BILS1	Bilirubin, Indirect (calculated)	0-1 Day	0.0 – 7.7 mg/dL	0.0 – 7.7 mg/dL	None
		>1 - 2 Days	0.0-13.70 mg/dL	0.0-13.70 mg/dL	None
		>2 - 3 Days	0.0 - 16.70 mg/dL	0.0 - 16.70 mg/dL	None
		>3 days - 1 month	0.0 - 0.70 mg/dL	0.0 - 0.70 mg/dL	None
		> 1month	0.0 - 0.90 mg/dL	0.0 - 0.90 mg/dL	None
BILIT	Bilirubin, Total, serum/plasma	0 - 1 Day	0 - 8.0 mg/dL	0 - 8.0 mg/dL	>20.0mg/dL
		>1 - 2 Days	0 - 14.0 mg/dL	0 - 14.0 mg/dL	>20.0mg/dL
		>2 - 3 Days	0 - 17.0 mg/dL	0 - 17.0 mg/dL	>20.0mg/dL
		4 Days - 1 month	0 - 1.0 mg/dL	0 - 1.0 mg/dL	>20.0mg/dL
		> 1 month	0.0 - 1.20 mg/dL	0.0 - 1.20 mg/dL	>20.0mg/dL
BUN	Blood Urea Nitrogen, serum/plasma	0 - 1 year	8.0 - 25.0 mg/dL	8.0 - 25.0 mg/dL	None
		>1 - 2 years	5.0 - 15.0 mg/dL	5.0 - 15.0 mg/dL	None
		>2 years	7.0 - 22.0 mg/dL	7.0 - 22.0 mg/dL	None
CRG	Creatinine, serum/plasma	0-7 days	0.2 -1.1 mg/dL	0.2 -1.1 mg/dL	None
		>7 days - 2 months	0.10 - 0.60 mg/dL	0.10 - 0.60 mg/dL	None
		>2months-2 years	0.10 - 0.40 mg/dL	0.10 - 0.40 mg/dL	None
		>2years -10 years	0.10 - 0.60 mg/dL	0.10 - 0.60 mg/dL	None
		>10 years - 14 years	0.20 - 0.90 mg/dL	0.20 - 0.90 mg/dL	None
		>14 years	0.20 - 1.10 mg/dL	0.20 - 1.10 mg/dL	None
eGFR	Estimated Glomerular Filtration Rate (calculated)	0 – 17 years	NA	NA	None
		18 years and older	>59 mL/min/1.73 sq m	>59 mL/min/1.73 sq m	None
CA	Calcium, serum/plasma	0 - 6 Days	7.0 - 12.0 mg/dL	7.0 - 12.0 mg/dL	Low: <6.5 mg/dL

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
------------	------------	------	------------------	----------------	----------------

					High: >13.5 mg/dL
		>6 Days - 15 Years	8.0 - 11.0 mg/dL	8.0 - 11.0 mg/dL	Low: <6.5 mg/dL High: >13.5 mg/dL
		>15 years	8.5 - 11.0 mg/dL	8.5 - 11.0 mg/dL	Low: <6.5 mg/dL High: >13.5 mg/dL
CZP	Carbamazepine, serum	ALL	4.0-12.0 ug/mL	4.0-12.0 ug/mL	NONE
CO2AN	Total Carbon dioxide, serum/plasma	0 - 18 years	20-28 mmol/L	20-28 mmol/L	Low: <15 High: >40
		>18 years	21 - 32 mmol/L	21 - 32 mmol/L	Low: <15 High: >40
AGAP	Anion gap (calculated)	ALL	7-18 mmol/L	7-18 mmol/L	None
CK	Creatine Kinase, serum/plasma	ALL	35 - 232 U/L	21 - 215 U/L	None
C3	Complement C3, serum/plasma	0 - 1 month	59 - 121 mg/dL	59 - 121 mg/dL	None
		>1 month- 2months	55 - 129 mg/dL	55 - 129 mg/dL	None
		>2 months - 3months	61 - 155 mg/dL	61 - 155 mg/dL	None
		>3months - 4 months	67 - 136 mg/dL	67 - 136 mg/dL	None
		>4 months - 5 months	65 - 182 mg/dL	65 - 182 mg/dL	None
		>5 months - 6months	67 - 174 mg/dL	67 - 174 mg/dL	None
		>6 months - 7 months	77 - 179 mg/dL	77 - 179 mg/dL	None
		>7 months - 9 months	78 - 173 mg/dL	78 - 173 mg/dL	None
		>9 months - 1 year	76 - 187 mg/dL	76 - 187 mg/dL	None
		>1 yr - 2 years	87 - 181 mg/dL	87 - 181 mg/dL	None
		>2 years - 3 years	84 - 177 mg/dL	84 - 177 mg/dL	None
		>3 years - 5 years	80 - 178 mg/dL	80 - 178 mg/dL	None
		>5 years - 12 years	80 - 160 mg/dL	80 - 160 mg/dL	None
		>12 years - 19 years	82 - 163 mg/dL	82 - 163 mg/dL	None
		>19 years	88 - 201 mg/dL	88 - 201 mg/dL	None

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
C4	Complement C4, serum/plasma	0 - 1 month	8.0 - 30.0 mg/dL	8.0 - 30.0 mg/dL	None
		>1 - 2 months	9.0 - 33.0 mg/dL	9.0 - 33.0 mg/dL	None
		>2 - 3 months	9.0 - 37 mg/dL	9.0 - 37 mg/dL	None
		>3 - 4 months	10.0 - 35 mg/dL	10.0 - 35 mg/dL	None
		>4 - 5 months	10.0 - 49 mg/dL	10.0 - 49 mg/dL	None
		>5 - 6 months	9.0 - 48 mg/dL	9.0 - 48 mg/dL	None
		>6 - 7 months	12.0 - 55 mg/dL	12.0 - 55 mg/dL	None
		>7 - 9 months	13.0 - 48 mg/dL	13.0 - 48 mg/dL	None
		>9 months - 1 year	16.0 - 51 mg/dL	16.0 - 51 mg/dL	None
		>1 - 2 years	16.0 - 52 mg/dL	16.0 - 52 mg/dL	None
		>2 - 5 years	12.0 - 47 mg/dL	12.0 - 47 mg/dL	None
		>5 - 12 years	13.0 - 44 mg/dL	13.0 - 44 mg/dL	None
		>12 - 19 years	14 - 41 mg/dL	15 - 41 mg/dL	None
		>19 years	10 - 40 mg/dL	11 - 40 mg/dL	None
CHOL	Cholesterol, Total, serum/plasma	0 - 20 years	<170 mg/dL	<170 mg/dL	None
		>20 years	<200 mg/dL	<200 mg/dL	None
CL	Chloride, serum/plasma	ALL	98 - 108 mmol/L	98 - 108 mmol/L	Low: <70 mmol/L High: >130 mmol/L
CPEP	C- Peptide, serum/plasma	ALL	1.1- 4.4 ng/mL	1.1- 4.4 ng/mL	None
CRPH	High Sensitivity CRP, serum/plasma	0 – 3 weeks	0.10 – 4.10 mg/L	0.10 – 4.10 mg/L	None
		>3 weeks – 15 years	0.10 – 2.80 mg/L	0.10 – 2.80 mg/L	None
		>15 years	0.10 – 5.0 mg/L	0.10 – 5.0 mg/L	None
DHEAS	Dehydroepiandrosterone Sulfate , serum/plasma	0 - 6 days	108-607 ug/dL	108-607 ug/dL	None
		>6 days – 1 months	31.6-431 ug/dL	31.6-431 ug/dL	None
		>1-12 Months	3.4-124 ug/dL	3.4-124 ug/dL	None
		>1-5 Years	0.5-19.4 ug/dL	0.5-19.4 ug/dL	None
		>5-10 Years	2.8-85.2 ug/dL	2.8-85.2 ug/dL	None
		>10-15 Years	33.9-280 ug/dL	24.4-247 ug/dL	None
		>15-20 Years	65.1-368 ug/dL	70.2-492 ug/dL	None
		>20-25 Years	148-407 ug/dL	211-492 ug/dL	None

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		>25-35 Years	98.8-340 ug/dL	160-449 ug/dL	None
		>35-45 Years	60.9-337 ug/dL	88.9-427 ug/dL	None
		>45-55 Years	35.4-256 ug/dL	44.3-331 ug/dL	None
		>55-65 Years	18.9-205 ug/dL	51.7-295 ug/dL	None
		>65-75 Years	9.40-246 ug/dL	33.6-249 ug/dL	None
		≥ 75 Years	12.0-154 ug/dL	16.2-123 ug/dL	None
DIG	Digoxin, serum	ALL	0.8-1.2 ug/L	0.8-1.2 ug/L	None
PHNY	Phenytoin (Dilantin), serum	ALL	10.0-20.0 mg/L	10.0-20.0 mg/L	None
FERR	Ferritin, serum/plasma	0 - 1 month	25 - 200 ng/mL	25 - 200 ng/mL	None
		>1 month - 2 months	200 - 600 ng/mL	200 - 600 ng/mL	None
		>2 months - 6 months	50 - 200 ng/mL	50 - 200 ng/mL	None
		>6 months - 1 year	20 - 200 ng/mL	20 - 200 ng/mL	None
		>1 year - 15 years	10 - 150 ng/mL	10 - 150 ng/mL	None
		>15 years	30 - 300 ng/mL	30 - 300 ng/mL	None
SFOL	Folate, serum	ALL	5.40-20.00 ng/mL	5.40-20.00 ng/mL	None
FT3	Free T3, serum/plasma	0-2 Weeks	0.99-8.03 pg/mL	0.99-8.03 pg/mL	None
		>2 weeks - 12 Months	1.59 -6.15 pg/mL	1.59 -6.15 pg/mL	None
		>12 months - 10 Years	2.21 - 4.99 pg/mL	2.21 - 4.99 pg/mL	None
		> 10 Years	1.81 - 4.06 pg/mL	1.81 - 4.06 pg/mL	None
FT4	Free T4, serum/plasma	0-4 Days	0.66-2.71 ng/dL	0.66-2.71 ng/dL	None
		>4 days- 30 days	0.83 -3.09 ng/dL	0.83 -3.09 ng/dL	None
		>31 days - 1 Year	0.48 -2.34 ng/dL	0.48-2.34 ng/dL	None
		>1 -7 Years	0.85-1.75 ng/dL	0.85-1.75 ng/dL	None
		>7 -12 Years	0.90 -1.67 ng/dL	0.90 -1.67 ng/dL	None
		>12 -20 Years	0.93- 1.60 ng/dL	0.93- 1.60 ng/dL	None
		Over 20 Years	0.82- 1.77 ng/dL	0.82- 1.77 ng/dL	None
GENRN	Gentamicin, random, serum	ALL	0.6-10.0 ug/mL	0.6-10.0 ug/mL	None
GENPK	Gentamicin, peak, serum	ALL	6.0 - 10 ug/mL	2.0-8.0 ug/mL	None
GENTH	Gentamicin, trough, serum	ALL	0.6-2.0 ug/mL	0.6-2.0 ug/mL	None
GGT	Gamma-Glutamyl Transferase, serum/plasma	ALL	5 - 36 U/L	8 - 61 U/L	None
FBS	Glucose, Fasting, serum/plasma	0 – 30 days	70 – 99 mg/dL	70 – 99 mg/dL	<30 or > 70 mg/dL

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		31 days to unspecified	70 – 99 mg/dL	70 – 99 mg/dL	<50 or >500 mg/dL
GLU	Glucose, non-fasting, serum/plasma	0 – 30 days	70 – 99 mg/dL	70 – 99 mg/dL	<30 or >170 mg/dL
		31 days to unspecified	70 – 140 mg/dL	70 – 140 mg/dL	<50 or >500 mg/dL
GH	Growth Hormone, serum/plasma	0-7 Years	0.00-7.80 ng/mL	0.00-6.30 ng/mL	None
		8 - 19 Years	0.00-8.10 ng/mL	0.00-10.80 ng/mL	None
		>19 Years	0.00-9.90 ng/mL	0.00-2.50 ng/mL	None
HDL	HDL, Cholesterol, serum/plasma	0 – 20 years	>45 mg/dL	>45 mg/dL	None
		>21 years	>39 mg/dL	>39 mg/dL	None
IGA	Immunoglobulin A, serum/plasma	0 - 1 year	0 - 83 mg/dL	0 - 83 mg/dL	None
IGA	Immunoglobulin A, serum/plasma	>1 - 4 years	20 - 100 mg/dL	20 - 100 mg/dL	None
		>4 - 7 years	27 - 195 mg/dL	27 - 195 mg/dL	None
		>7 - 10 years	34 - 305 mg/dL	34 - 305 mg/dL	None
		>10 - 12 years	53 - 204 mg/dL	53 - 204 mg/dL	None
		>12 - 14 years	58 - 358 mg/dL	58 - 358 mg/dL	None
		>14 - 16 years	47 - 249 mg/dL	47 - 249 mg/dL	None
		>16 - 20 years	61 - 348 mg/dL	61 - 348 mg/dL	None
		>20 years	70 - 400 mg/dL	70 - 400 mg/dL	None
IGG	Immunoglobulin G, serum/plasma	0 - 1 year	232-1411 mg/dL	232-1411 mg/dL	None
		>1 - 4 years	453 - 916 mg/dL	453 - 916 mg/dL	None
		>4 - 7 years	504 - 1465 mg/dL	504 - 1465 mg/dL	None
		>7 - 10 years	572 - 1474 mg/dL	572 - 1474 mg/dL	None
		>10 - 12 years	698 - 1560 mg/dL	698 - 1560 mg/dL	None
		>12 - 14 years	759 - 1550 mg/dL	759 - 1550 mg/dL	None
		>14 - 16 years	716 - 1711 mg/dL	716 - 1711 mg/dL	None
		>16 - 20 years	549 - 1584 mg/dL	549 - 1584 mg/dL	None
		>20 years	700 - 1600 mg/dL	700 - 1600 mg/dL	None
IGM	Immunoglobulin M, serum/plasma	0 - 1 year	0 - 145 mg/dL	0 - 145 mg/dL	None
		>1 - 4 years	19 - 146 mg/dL	19 - 146 mg/dL	None
		>4 - 7 years	24 - 210 mg/dL	24 - 210 mg/dL	None

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		>7 - 10 years	31 - 208 mg/dL	31 - 208 mg/dL	None
		>10 - 12 years	31 - 179 mg/dL	31 - 179 mg/dL	None
		>12 - 14 years	35 - 239 mg/dL	35 - 239 mg/dL	None
		>14 - 16 years	15 - 188 mg/dL	15 - 188 mg/dL	None
		>16 - 20 years	23 - 259 mg/dL	23 - 259 mg/dL	None
		>20 years	40 - 230 mg/dL	40 - 230 mg/dL	None
INS	Insulin, serum/plasma	ALL	Fasting: 2.6-24.9 mU/mL	Fasting: 2.6-24.9 mU/mL	None
IRON	Iron, serum/plasma	ALL	37 - 145 ug/dL	59 - 158 ug/dL	None
K	Potassium, serum/plasma	0-1 day	4.5 - 6.6 mmol/L	4.5 - 6.6 mmol/L	Low: <3.0 High: >6.6
		>1 - 3 days	4.0 - 6.2 mmol/L	4.0 - 6.2 mmol/L	Low: <3.0 High: >6.6
		>3 days - 3 months	4.0 - 5.8 mmol/L	4.0 - 5.8 mmol/L	Low: <3.0 High: >6.6
		>3 months	3.5 - 5.3 mmol/L	3.5 - 5.3 mmol/L	Low: <3.0 High: >6.6
LACT	Lactate, plasma	ALL	1.4 - 3.9 mmol/L	1.4 - 3.9 mmol/L	None
LDH	Lactate Dehydrogenase, serum/plasma	0 - 20 days	225 - 600 U/L	225 - 600 U/L	None
		>20 days - 15 years	120 - 300 U/L	120 - 300 U/L	None
		>15 years	135 - 214 U/L	135 - 225 U/L	None
LDLD	LDL Cholesterol, direct, serum/plasma	ALL	0 - 99 mg/dL	0 - 99 mg/dL	None
LDL calc. (Lipid)	LDL Cholesterol (measured) Lipid panel component	0 – 20 years	<110 mg/dL	<110 mg/dL	None
		>20 years	<100 mg/dL	<100 mg/dL	None
LIPA	Lipase, serum/plasma	ALL	13 -60 U/L	13 -60 U/L	None
MG	Magnesium, serum/plasma	ALL	1.3 - 2.3 mg/dL	1.3 - 2.3 mg/dL	Low: <1.0 High: >4.5

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
MTX	Methotrexate, serum	ALL	Low Dose: 0.50-1.00 umol/L High Dose/24 Hours: 5.00 umol/L or less 48 Hours: 0.50 umol/L or less 72 Hours: 0.10 umol/L or less TOXICITY RANGE: 24-hour post dose: >10.00 umol/L 48-hour post dose: >1.00 umol/L 72-hour post dose: >0.10 umol/L *Critical value: None		
NA	Sodium, serum/plasma	ALL	135 - 145 mmol/L	135 - 145 mmol/L	Low: <125 High: >155
OSM	Osmolality, Serum	ALL	266-300 mOsm/kg	266-300 mOsm/kg	None
OSMU	Osmolality, Urine	0-3 Years	75-300 mOsm/kg	75-300 mOsm/kg	None
		>3 Years	250-900 mOsm/kg	250-900 mOsm/kg	None
PALB	Prealbumin	0 - 2 months	7.0 - 39.0 mg/dL	7.0 - 39.0 mg/dL	None
		>2 months – 2 years	8.3 - 34.0 mg/dL	8.3 - 34.0 mg/dL	None
		>2 – 8 years	14.0 - 30.0 mg/dL	14.0 - 30.0 mg/dL	None
		>8 – 11 years	14.3 - 34.5 mg/dL	14.3 - 34.5 mg/dL	None
		>11 – 13 years	15.8 - 40.2 mg/dL	15.8 - 40.2 mg/dL	None
		>13 years - 15 years	17.8 - 36.8 mg/dL	17.8 - 36.8 mg/dL	None
		>15 years - 17 years	19.1 - 37.6 mg/dL	19.1 - 37.6 mg/dL	None
		>17 years - 19 years	19.6 - 42.8 mg/dL	19.6 - 42.8 mg/dL	None
		>19 years	20-40 mg/dL	20-40 mg/dL	None
PCTN	Procalcitonin, serum/plasma	0 - 7 years	Not defined	Not defined	None
		> years	< 0.25 ug/L	< 0.25 ug/L	None
PHGBS	Plasma Free Hemoglobin	ALL	0-29 mg/dL	0-29 mg/dL	None
PBAR	Phenobarbital, serum	ALL	15.0-40.0 mg/L	15.0-40.0 ug/mL	None
PO4	Phosphorus, serum/plasma	0 - 3 Days	5.0 -7.8 mg/dL	5.0 -7.8 mg/dL	<1.0 mg/dL
		>3 - 6 days	5.8 - 9.0 mg/dL	5.8 - 9.0 mg/dL	<1.0 mg/dL
		>6 - 13 days	4.9-8.9 mg/dL	4.9-8.9 mg/dL	<1.0 mg/dL
		>13 days - 1 month	4.0 - 7.0 mg/dL	4.0 - 7.0 mg/dL	<1.0 mg/dL

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		> 1month - 1 year	4.8-8.1 mg/dL	4.8-8.1 mg/dL	<1.0 mg/dL
		>1 year - 5 years	4.0 - 6.8 mg/dL	4.0 - 6.8 mg/dL	<1.0 mg/dL
		>5 years-10 years	3.6 - 6.5 mg/dL	3.6 - 6.5 mg/dL	<1.0 mg/dL
		>10 years - 15 years	3.4 - 5.9 mg/dL	3.4 - 5.9 mg/dL	<1.0 mg/dL
		>15 years	2.6 - 5.2 mg/dL	2.6 - 5.2 mg/dL	<1.0 mg/dL
PROL	Prolactin, serum/plasma	0 – 1 month	1.1 – 470 ng/mL	1.1 – 470 ng/mL	None
		>1 month – 1 year	5.2 – 60 ng/mL	5.2 – 60 ng/mL	None
		>1 -18 years	3.0 – 25.0 ng/mL	3.0 – 25 ng/mL	None
		>18 years	4.8 – 24.0 ng/mL	4.0 – 16.0 ng/mL	None
PTHI	Parathyroid Hormone, serum	ALL	15.0-65.0 pg/mL	15.0-65.0 pg/mL	None
NPBNP	Pro-B-Type Natriuretic Peptide, N-terminal	0 – 75 years	0 - 125 pg/mL	0 - 125 pg/mL	None
		>75 years	0 – 450 pg/mL	0 – 450 pg/mL	None
RF	Rheumatoid Factor, serum/plasma	ALL	9.0-11.0 IU/mL	9.0-11.0 IU/mL	None
SAL	Salicylate, serum	ALL	3.0-10.0 mg/dL	3.0-10.0 mg/dL	None
THEO	Theophylline, serum	ALL	10.0-20.0 mg/L	10.0-20.0 mg/L	None
TGAB	Thyroglobulin antibodies, serum	0 – 6 days	0 – 134 IU/mL	0 – 134 IU/mL	None
		>6 days – 4 months	0 – 136 IU/mL	0 – 136 IU/mL	None
		>4 months – 1 year	0 – 130 IU/mL	0 – 130 IU/mL	None
		>1 – 6 years	0 – 38 IU/mL	0 – 38 IU/mL	None
		>6 – 11 years	0 – 37.0 IU/mL	0 – 37.0 IU/mL	None
		>11 – 19 years	0 – 64.0 IU/mL	0 – 64.0 IU/mL	None
		>19 years	0 – 115 IU/mL	0 – 115 IU/mL	None
TPOAB	Thyroperoxidase antibodies, serum/plasma	0 – 7 days	<17 IU/mL	<17 IU/mL	None
		>7 – 4 months	<47 IU/mL	<47 IU/mL	None
		>4 months – 1 year	<32 IU/mL	<32 IU/mL	None
		>1 – 6 years	<13 IU/mL	<13 IU/mL	None
		>6 – 11 years	<18 IU/mL	<18 IU/mL	None

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		>11 – 19 years	<26 IU/mL	<26 IU/mL	None
		>19 years	<34 IU/mL	<34 IU/mL	None
TOBRN	Tobramycin (Random), serum	ALL	0.6-10.0 ug/mL	0.6-10.0 ug/mL	NONE
TOBPK	Tobramycin (Peak), serum	ALL	4.0-10.0 ug/mL	4.0-10.0 ug/mL	NONE
TOBTH	Tobramycin (Trough), serum	ALL	0.6 - 1.9 ug/mL	0.6 - 1.9 ug/mL	NONE
TP	Total Protein, serum/plasma	0 - 1 month	4.6 - 7.0 g/dL	4.6 - 7.0	NONE
		>1 month - 2 months	5.4 - 7.5 g/dL	5.4 - 7.5 g/dL	NONE
		>2 months - 1 year	5.3 - 8.0 g/dL	5.3 - 8.0 g/dL	NONE
		>1 year - 3 years	4.2 - 7.5 g/dL	4.2 - 7.5 g/dL	NONE
		>3 years - 4 years	5.5 - 7.5 g/dL	5.5 - 7.5 g/dL	NONE
		>4 years	6.0 - 8.0 g/dL	6.0 - 8.0 g/dL	NONE
TRFN	Transferrin, serum/plasma	ALL	200 - 360 mg/dL	200 - 360 mg/dL	NONE
TRIG	Triglycerides, serum/plasma	0 – 10 years	<75 mg/dL	<75 mg/dL	NONE
		>10 – 20 years	<90 mg/dL	<90 mg/dL	NONE
		>20 years	<150 mg/dL	<150 mg/dL	NONE
TROP5	Troponin T, serum/plasma	ALL	0 – 10 ng/L	0 – 15 ng/L	NONE
T3	T3 Total, serum/plasma	0 – 4 days	0.96 -2.92 ng/mL	0.96 -2.92 ng/mL	NONE
		5 - 30 Days	0.62-2.43 ng/mL	0.62-2.43 ng/mL	NONE
		31 days – 1 year	0.81-2.81 ng/mL	0.81 - 2.81 ng/mL	NONE
		2 - 6 Years	0.83 -2.52 ng/mL	0.83 -2.52 ng/mL	NONE
		7 - 10 Years	0.92 - 2.19 ng/mL	0.92 - 2.19 ng/mL	NONE
		≥ 11 years	0.71 -1.80 ng/mL	0.71 -1.80 ng/mL	NONE
T4	T4 Total, plasma	0 – 1 year	5.54-14.53 ug/dL	5.54-14.53 ug/dL	NONE
		>1 - 7 Years	5.60-13.20 ug/dL	4.42-11.77	NONE
		>7 -21 Years	4.43-12.21 ug/dL	4.43-12.21 ug/dL	NONE
		> 21 Years	4.50-12.00 ug/dL	4.50-12.00 ug/dL	NONE
TSH	Thyroid Stimulating Hormone mIU/mL	0-6 Days	0.70-15.20 mIU/mL	0.70-15.20 mIU/mL	NONE
		7 Days- 3 Months	0.72-11.00 mIU/mL	0.72-11.00 mIU/mL	NONE

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
		4 Months – 12 months	0.73- 8.35 mIU/mL	0.73- 8.35 mIU/mL	NONE
		13 months to 6 years	0.70 - 5.97 mIU/mL	0.70 - 5.97 mIU/mL	NONE
		7 -10 Years	0.60-4.84 mIU/mL	0.60-4.84 mIU/mL	NONE
		11 years and older	0.45- 4.12 mIU/mL	0.45- 4.12 mIU/mL	NONE
TIBC	Total Iron Binding Capacity	ALL	240 – 450 ug/dL	240 - 450 ug/dL	NONE
UIBC	Unbound Iron binding capacity, calculated (Iron panel component)	ALL	112 - 347 ug/dL	112 - 347 ug/dL	NONE
%SAT	% Iron Saturation, calculated (Iron panel component)	ALL	20 – 50 %	20 – 50 %	None
URIC	Uric Acid, serum/plasma	0-1 month	1.2 - 8.8 mg/dL	1.2 - 8.8 mg/dL	None
		> 1month- 3 years	2.0 - 7.6 mg/dL	2.0 - 7.6 mg/dL	None
		>3 years - 12 years	2.3 - 6.1 mg/dL	2.3 - 6.1 mg/dL	None
		>12 years - 15 years	1.9 - 6.5 mg/dL	2.0 - 6.5 mg/dL	None
		>15 years - 18 years	1.9 - 7.1 mg/dL	2.5 - 7.1 mg/dL	None
		>18 years	2.4 - 5.1 mg/dL	3.9 - 7.8 mg/dL	None
VALP	Valproic Acid, serum	ALL	50.0-100.0 mg/L	50.0-100.0 mg/L	None
VANR	Vancomycin (Random), serum	ALL	5.0-40.0 ug/mL	5.0-40.0 ug/mL	None
VANP	Vancomycin (Peak), serum	ALL	30.0-40.0 ug/mL	30.0-40.0 ug/mL	None
VANT	Vancomycin (Trough), serum	ALL	5.0-15.0 ug/mL	5.0-15.0 ug/mL	None
25HD	Vitamin D, 25 hydroxy, serum	ALL	30.0-96.0 ng/mL	30.0-96.0 ng/mL	None
CAIB	Ionized Calcium	ALL	1.13-1.35 mmol/L	1.13-1.35 mmol/L	Low: < 0.8 mmol/L High: >1.55 mmol/L
GLC	CSF, Glucose	ALL	40-75 mg/dL	40-75 mg/dL	Low: <30 mg/dL
CFPR	CSF, Protein	0 - 2 Days	40 - 120 mg/dL	40 - 120 mg/dL	NONE
		3 days - 1 month	20 - 80 mg/dL	20 - 80 mg/dL	NONE
		> 1 month	15 - 45 mg/dL	15/ 45 mg/dL	NONE
eGFR	Estimated Glomerular Filtration rate	≥ 18 years	>60 ml/min/1.73 BSA	>60 ml/min/1.73 BSA	NONE
IGE	Total IGE, serum	0 - 5 months	0-13 IU/mL	0-13 IU/mL	NONE

Label name	Test Name:	Age:	Ref Range Female	Ref Range Male	Critical Value
------------	------------	------	------------------	----------------	----------------

IGE	Total IgE, serum	>5 months – 12 months	0-34 IU/mL	0-34 IU/mL	NONE
		>12 months - 2 years	0-97 IU/mL	0-97 IU/mL	NONE
		>2 - 3 years	0-199 IU/mL	0-199 IU/mL	NONE
		>3 years- 6 years	0 – 307 IU/mL	0 – 307 IU/mL	NONE
		>6 years - 8 years	0 – 403 IU/mL	0 – 403 IU/mL	NONE
		>8 years - 12 years	0 – 696 IU/mL	0 – 696 IU/mL	NONE
		>12 years to 15 years	0 – 629 IU/mL	0 – 629 IU/mL	NONE
		>15 years – 17 years	0 – 537 IU/mL	0 – 537 IU/mL	NONE
		>17 years	0 – 214 IU/mL	0 – 214 IU/mL	NONE