

Test Name	Test Code	Range Type	Reference Range	Units
Acetaminophen	ACEM	Therapeutic	10.0-20.0	ug/ml
Albumin	ALB		3.5-5.0	g/dl
Alkaline Phosphatase	ALKP	Adult	29-117	U/L
Alkaline Phosphatase		Children <15 yr	117-390	U/L
ALT/SGPT, Alanine Transaminase	SGPT	Females:	6-37	U/L
ALT/SGPT, Alanine Transaminase		Males	6-45	U/L
Ammonia, NH3	NH3	Adults	12-48	umol/L
Ammonia, NH3		Infant Child	24-48	umol/L
Ammonia, NH3		Newborn	54-90	umol/L
Amylase	AMY		0-88	U/L
Amylase, Urine	UAMYR	Random, single sample	0-400	U/L
Amylase, Urine	URAMYT	Timed	0-15	U/Hr
Anion Gap (formula without K+)	AGAP		9-18	mmol/L
Anti-cardiolipin IgA	CDLPA		<20	APL units
Anti-cardiolipin IgG	CDLPG		<20	GPL units
Anti-cardiolipin IgM	CDLPM		<20	MPL units
Anti-Nuclear Antibody	ANA	Normal	<1:40	titer
Anti-Nuclear Antibody		Borderline	1:80 -1:160	titer
Anti-Nuclear Antibody		Abnormal	>1:160	
Anti-Streptolysin O Test	ASO	<13 yr	<150	IU/ml
Anti-Streptolysin O Test		>13 yr	<200	IU/ml
APT Downey Test	APTD	Maternal	Negative	
AST/SGOT, Aspartate Transaminase	SGOT	Newborn to 1 month	20-80	U/L
AST/SGOT, Aspartate Transaminase	SGOT	1 month to 13 years	8-60	U/L
AST/SGOT, Aspartate Transaminase	SGOT	≥13 years & Adult	0-37	U/L
Beta Hydroxybutyrate (Ketone)	BHB		0.02-0.27	mmol/L
Bilirubin, Direct	DBILI		0.0-0.3	mg/dl
Bilirubin, Total	TBIL	Adults and infants >1 mo	0.0-1.2	mg/dl
Bilirubin, Total		Premature, up to 24 hrs	1-8	mg/dl
Bilirubin, Total		Premature, up to 48 hrs	6-12	mg/dl
Bilirubin, Total		Premature, 3-5 days old	10-14	mg/dl
Bilirubin, Total		Full term, up to 24 hrs	2-6	mg/dl
Bilirubin, Total		Full term, up to 48 hrs	6-10	mg/dl
Bilirubin, Total		Full term, 3-5 days old	4-8	mg/dl
Blood Urea Nitrogen	BUN	0-1 yr	4-19	mg/dl
Blood Urea Nitrogen		1-17 yr	5-18	mg/dl
Blood Urea Nitrogen		18-60 yr	6-20	mg/dl
Blood Urea Nitrogen		> 60 yr	6-23	mg/dl
BNP/ Pro B-Natriuretic Peptide	PBNP	Male, <45 yr	<93	pg/ml
BNP/ Pro B-Natriuretic Peptide		Male, 45-54	<138	pg/ml
BNP/ Pro B-Natriuretic Peptide		Male, 55-64	<177	pg/ml
BNP/ Pro B-Natriuretic Peptide		Male, 65-74	<229	pg/ml
BNP/ Pro B-Natriuretic Peptide		Male, >75	<852	pg/ml
BNP/ Pro B-Natriuretic Peptide		Female, <45 yr	<178	pg/ml
BNP/ Pro B-Natriuretic Peptide		Female, 45-54	<192	pg/ml
BNP/ Pro B-Natriuretic Peptide		Female, 55-64	<226	pg/ml
BNP/ Pro B-Natriuretic Peptide		Female, 65-74	<353	pg/ml
BNP/ Pro B-Natriuretic Peptide		Female, >75	<624	pg/ml
Caffeine (Neonatal ICU Treatment)	CAFF	Therapeutic-neonates	5.0-20.0	ug/ml
Calcium	CA		8.6-10.3	mg/dl
Calcium, Ionized	ICAL		4.5-5.3	mg/dl

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Cancer Antigen 125	CAG125		<35.0	IU/ml
Carboxyhemoglobin	COHB	Non Smoker	0-2.5	percent
Carboxyhemoglobin		Smoker	1.5-5.0	percent
Carboxyhemoglobin		Heavy Smoker	up to 10	percent
Carcinoembryonic Antigen	CEA	(Roche) Non-smoker	0-3.0	ng/ml
Carcinoembryonic Antigen		(Roche) Smoker	0-5.0	ng/ml
Celiac - Deamidated GP IgA	GLDA		< 15	U/mL
Celiac - Deamidated GP IgG	GLDG		< 15	U/mL
Celiac - Tissue transglutaminase IgA	TTGA		< 15	U/mL
Celiac - Tissue transglutaminase IgG	TTGG		< 15	U/mL
Chloride	CL		98-108	mmol/L
Chloride, Urine	URCLT	Timed	100-250	mmol/24 hr
Chol/HDL Ratio	RISK	Male 1/2 avg risk	3.4	ratio
Chol/HDL Ratio		Male average risk	5.0	ratio
Chol/HDL Ratio		Male Twice avg risk	9.5	ratio
Chol/HDL Ratio		Male three times avg risk	24.0	ratio
Chol/HDL Ratio		Female 1/2 avg risk	3.3	ratio
Chol/HDL Ratio		Female average risk	4.4	ratio
Chol/HDL Ratio		Female Twice avg risk	7.1	ratio
Chol/HDL Ratio		Female three times avg risk	11.0	ratio
Cholesterol	CHOL	Desirable	<200	mg/dl
Cholesterol		Borderline High	200-239	mg/dl
Cholesterol		Elevated	>240	mg/dl
CO2 (Bicarbonate)	CO2		23-32	mmol/l
Complement C3	C3		86-184	mg/dl
Complement C4	C4		10-40	mg/dl
Cortisol	CORT	AM	7.0-25.0	ug/dl
Cortisol		PM	2.0-9.0	ug/dl
C-Reactive Protein	CRP		<6.0	mg/L
Creatinine	CRET	Newborn, 0-4 days,	0.3-1.0	mg/dl
Creatinine	CRET	Infant/Child, 5 days to 12 yrs	0.2-0.7	mg/dl
Creatinine	CRET	Adolescent 12 to 17 yrs	0.5-1.0	mg/dl
Creatinine	CRET	Adult Female	0.6-1.1	mg/dl
Creatinine	CRET	Adult Male	0.7-1.3	mg/dl
Creatinine Clearance	CCLR		90-130	ml/min
Creatinine Kinase	CPK	Male	<206	U/L
Creatinine Kinase		Female	<172	U/L
Creatinine, Urine 24 hr	URCRT	Male	1000-1900	mg/24 hr
Creatinine, Urine 24 hr	URCRT	Female	800-1700	mg/24 hr
CRP-High Sensitivity	CRPHS	Low Risk	< 1.0	mg/L
CRP-High Sensitivity	CRPHS	Average Risk	1.0-3.0	mg/L
CRP-High Sensitivity	CRPHS	Higher Risk	>3.0	mg/L
CRP-High Sensitivity	CRPHS	Evaluate for Infection	>10.0	mg/L
D-Dimer	DDMR		<0.50	ug/ml
Depakene/Valproic Acid	VALP	Therapeutic	50.0-100.0	ug/ml
Dilantin/Phenytoin	DIL		10.0-20.0	ug/ml
Dilantin (Free)	DILF		1.0-2.0	ug/ml
Digoxin	DIGO	Thereapeutic	0.50-2.00	ng/ml
Estradiol	ESDL	Men	14-60	pg/ml
Estradiol		Women: Follicular Phase	25-195	pg/ml
Estradiol		Mid Cycle Peak	66-411	pg/ml

Test Name	Test Code	Range Type	Reference Range	Units
Estradiol		Luteal Phase	40-261	pg/ml
Estradiol		Post Menopause	<10-40	pg/ml
Estradiol		Pregnant, 1st trimester	786-4584	pg/ml
Estradiol		Pregnant, 2nd trimester	801-5763	pg/ml
Estradiol		Pregnant, 3rd trimester	1810-13890	pg/ml
Estradiol		Children 1-10 yrs : Boys	<5 - 20	pg/ml
Estradiol		Girls:	6-27	pg/ml
Ethanol	ETOH		Negative (<0.01)	g/dl
Ferritin	FERI	Male	30-400	ng/ml
Ferritin		Female	15-150	ng/ml
Folate (Folic Acid), Serum	FOL		9.1-30.9	ng/ml
Folate, Red Blood Cell	RBCF		280-791	ng/ml
Follicle Stimulating Hormone	FSH	Men	1.5-12.4	mIU/ml
Follicle Stimulating Hormone		Women: Follicular Phase	3.5-12.5	mIU/ml
Follicle Stimulating Hormone		Mid Cycle Peak	4.7-21.5	mIU/ml
Follicle Stimulating Hormone		Luteal Phase	1.7-7.7	mIU/ml
Follicle Stimulating Hormone		Post Menopause	25.8-134.8	mIU/ml
Follicle Stimulating Hormone		Children <10 yr	0.2-3.8	mIU/ml
Free T3	FRT3		2.57-4.43	pg/ml
Free Thyroxine	FT4		0.8-1.7	ng/ml
GGT Gamma Glutamyl Transp.	GGT	Male	8-61	U/L
GGT Gamma Glutamyl Transp.		Female	5-36	U/L
Globulin	GLOB		2.0-3.9	mg/dl
Glucose Tolerance		Contact Lab for details		
Glucose, Fasting	GLUC	Adult normal	70-99	mg/dl
Glucose, Fasting		Adult, impaired	100-125	mg/dl
Glucose, Fasting		Adult, Abnormal	>125	mg/dl
Glucose, Fasting		newborn to 6 months	40-115	mg/dl
Glucose, Urine	URGLUT	Timed	<500	mg/24 hr
Glucose, Urine	UGLUR	Random, single sample	1-15	mg/dl
Haptoglobin	HAP		30-200	mg/dl
HCG, Human Chorionic Gonadotr.	HCG	Males	<5	mIU/ml
HCG, Human Chorionic Gonadotr.		Females:		mIU/ml
HCG, Human Chorionic Gonadotr.		Non Pregnant, Pre Menopause	<5	mIU/ml
HCG, Human Chorionic Gonadotr.		Post Menopause	<8	mIU/ml
HCG, Human Chorionic Gonadotr.		Pregnant:		mIU/ml
HCG, Human Chorionic Gonadotr.		Full weeks beginning with LMP		mIU/ml
HCG, Human Chorionic Gonadotr.		3	18	mIU/ml
HCG, Human Chorionic Gonadotr.		4	141	mIU/ml
HCG, Human Chorionic Gonadotr.		5	1398	mIU/ml
HCG, Human Chorionic Gonadotr.		6	3339	mIU/ml
HCG, Human Chorionic Gonadotr.		7	39759	mIU/ml
HCG, Human Chorionic Gonadotr.		8	90084	mIU/ml
HCG, Human Chorionic Gonadotr.		10	85172	mIU/ml
HCG, Human Chorionic Gonadotr.		12	66676	mIU/ml
HCG, Human Chorionic Gonadotr.		14	34440	mIU/ml
HCG, Human Chorionic Gonadotr.		16	23930	mIU/ml
HCG, Human Chorionic Gonadotr.		18	19817	mIU/ml
HDL Cholesterol	HDL	Suggests Increased Risk	<35	mg/dl
HDL Cholesterol		Significance Not Established	35-55	mg/dl
HDL Cholesterol		Suggests Decreased Risk	>55	mg/dl

Test Name	Test Code	Range Type	Reference Range	Units
Hemoglobin A1C, glyco hb	HA1C		4.4-5.6	percent
Hemoglobin Electrophoresis	HBEL	Hgb A1 (adult)	96.0-98.5	percent
Hemoglobin Electrophoresis		Hgb A2 (adult)	1.4-5.0	percent
IGA, Immunoglobulin A	IGA	Adult	69-309	mg/dl
IGA, Immunoglobulin A		Newborns	1-4	mg/dl
IGA, Immunoglobulin A		1-6 months	1-83	mg/dl
IGA, Immunoglobulin A		7-12 months	11-89	mg/dl
IGA, Immunoglobulin A		1-3 years	13-157	mg/dl
IGA, Immunoglobulin A		4-5 years	24-152	mg/dl
IGA, Immunoglobulin A		6-8 years	32-200	mg/dl
IGA, Immunoglobulin A		9-10 years	43-234	mg/dl
IGG, Immunoglobulin G	IGG	Adult	613-1400	mg/dl
IGG, Immunoglobulin G		Newborns	611-1541	mg/dl
IGG, Immunoglobulin G		1-6 months	165-781	mg/dl
IGG, Immunoglobulin G		7-12 months	208-1026	mg/dl
IGG, Immunoglobulin G		1-3 years	331-1090	mg/dl
IGG, Immunoglobulin G		4-5 years	444-1187	mg/dl
IGG, Immunoglobulin G		6-8 years	608-1229	mg/dl
IGG, Immunoglobulin G		9-10 years	583-1509	mg/dl
IGM, Immunoglobulin M	IGM	Adult	53-334	mg/dl
IGM, Immunoglobulin M		Newborns	6-25	mg/dl
IGM, Immunoglobulin M		1-6 months	19-103	mg/dl
IGM, Immunoglobulin M		7-12 months	32-132	mg/dl
IGM, Immunoglobulin M		1-3 years	41-190	mg/dl
IGM, Immunoglobulin M		4-5 years	41-186	mg/dl
IGM, Immunoglobulin M		6-8 years	46-197	mg/dl
IGM, Immunoglobulin M		9-10 years	49-230	mg/dl
Immuno Fixation Electrophoresis	IFES	Contact Lab for details		
Insulin	INSUL		0-22.7	uU/ml
Iron	FE	Male	80-160	ug/dl
Iron		Female	60-135	ug/dl
Lactate (Lactate)	LACTIC		0.7-2.5	mmol/L
LDH, Lactate Dehydrogenase	LDH	Adult	94-250	U/L
LDH, Lactate Dehydrogenase		Infant, 0-4 day	290-775	U/L
LDH, Lactate Dehydrogenase		4-10 day	545-2000	U/L
LDH, Lactate Dehydrogenase		10 day - 24 month	180-430	U/L
LDL Cholesterol, Measured	MLDL	Optimal Level	<100	mg/dl
LDL Cholesterol, Measured		Near Optimal	100-129	mg/dl
LDL Cholesterol, Measured		Borderline High	130-159	mg/dl
LDL Cholesterol, Measured		High	160-189	mg/dl
LDL Cholesterol, Measured		Very High	>190	mg/dl
Lipase	LP		16-63	U/L
Lithium	LI	Therapeutic	0.6-1.2	mmol/L
Luteinizing Hormone	LH	Men	1.7-8.6	mIU/ml
Luteinizing Hormone		Women: Follicular Phase	2.4-12.6	mIU/ml
Luteinizing Hormone		Mid Cycle Peak	14.0-95.6	mIU/ml
Luteinizing Hormone		Luteal Phase	1.0-11.4	mIU/ml
Luteinizing Hormone		Post Menopause	7.7-58.5	mIU/ml
Luteinizing Hormone		Children <10 yr	0.2-1.4	mIU/ml
Magnesium	MG		1.7-2.8	mg/dl
Magnesium, Urine	URMGT	Timed	1-24	mg/24 hr

Test Name	Test Code	Range Type	Reference Range	Units
Methemoglobin	METHB		0-2.0	percent
Methotrexate	MTX	Contact Lab for Details		
Microalbumin Excretion Ratio	ALBER	Normoalbuminuria	<20	ug/min
Microalbumin Excretion Ratio		Microalbuminuria	20-200	ug/min
Microalbumin Excretion Ratio		Overt Nephropathy	>200	ug/min
Microalbumin/Creatinine Ratio	MALCRE	Normoalbuminuria	<0.03	mg/mg
Microalbumin/Creatinine Ratio		Microalbuminuria	0.03-0.31	mg/mg
Microalbumin/Creatinine Ratio		Overt Nephropathy	>0.31	mg/mg
Myoglobin	MYOGL		0-90	ug/L
O2 Saturation, Arterial	O2SAT		96-97	percent
O2 Saturation, Venous	O2SATV		40-70	percent
Osmolality, Serum	OSMOL		275-295	mOSM/kg
Osmolality, Urine	UOSM		300-1100	mOSM/kg
Parathyroid Hormone, Intact	IPTHB		15.0-65.0	pg/ml
pCO2, Arterial	PCO2		35-45	mmHG
pH, Arterial Blood	PH		7.35-7.45	ph Units
ph, Venous	PHV		7.32-7.43	
Phenobarbital	PHEN	Therapeutic	15.0-40.0	ug/ml
Phosphatidyl Glycerol	PGLYC	Contact Lab for Details		
Phosphorus	PHOS		2.7-4.5	mg/dl
Phosphorus, Urine	URPHOT	Timed	900-1300	mg/24 hr
pO2, Arterial	PO2		80-90	mmHG
pO2, Mixed Venous	PO2V		25-40	mmHG
Potassium	K		3.5-5.3	mmol/L
Potassium, Urine	URKT	Timed	0-80	mmol/24 hr
Prealbumin	PAB		18-45	mg/dl
Pregnancy Test	PREGS	Negative	HCG = <5	
Pregnancy Test		Borderline-repeat in 48 hrs	HCG = 5-25	
Pregnancy Test		Borderline, repeat in 1 week	HCG = 5-10	
Pregnancy Test		Positive	>25	
Procalcitonin	PCT		<0.50	ng/ml
Progesterone	PROG	Men	0.02-1.7	mIU/ml
Progesterone		Women: Follicular Phase	0.0-1.6	mIU/ml
Progesterone		Luteal Phase	1.1-21.6	mIU/ml
Progesterone		Post Menopause	0.0-1.4	mIU/ml
Progesterone		Pregnant, 1st trimester	7.2-43	mIU/ml
Progesterone		Pregnant, 2nd trimester	21-108	mIU/ml
Progesterone		Pregnant, 3rd trimester	53-293	mIU/ml
Prolactin	PROL	Men	4.0-15.2	ng/ml
Prolactin		Women	4.8-23.3	ng/ml
Prostate Specific Antigen, PSA	PSA	<40 yr	0-1.40	ng/ml
Prostate Specific Antigen, PSA		40-50 yr	0.00-2.00	ng/ml
Prostate Specific Antigen, PSA		50-60 yr	0.00-3.10	ng/ml
Prostate Specific Antigen, PSA		60-70 yr	0.00-4.10	ng/ml
Prostate Specific Antigen, PSA		>70 yr	0.00-4.40	ng/ml
Protein Electrophoresis	SPEP	Contact Lab for details		
Protein, Urine	URTPT	Timed	<150	mg/24 hr
Rheumatoid Factor	RA		<14	IU/ml
Salicylate	SALI	Therapeutic	5.0-30.0	mg/dl
Sodium	NA		135-145	mmol/L
Sodium, Urine	URNATT	Timed	75-200	mmol/24 hr

Test Name	Test Code	Range Type	Reference Range	Units
Spinal Fluid/CSF Chloride	FCL		118-132	mmol/L
Spinal Fluid/CSF Glucose	FGL		50-75	mg/dl
Spinal Fluid/CSF Protein	FTP		15-45	mg/dl
Sweat Chloride	SWCL	Normal	0-29	mmol/L
Sweat Chloride		Borderline	30-59	mmol/L
Sweat Chloride		Abnormal	≥60	mmol/L
Tegretol/Carbamazepine	TEG	Therapeutic	4.0-10.0	ug/ml
Testosterone	TSTO	Men, 18-49 yrs	249 - 836	ng/dl
Testosterone		Men, >49 yrs	193 - 740	ng/dl
Testosterone		Women, 18-49 yrs	8.4 - 48.1	ng/dl
Testosterone		Women, >49 years	2.9 - 40.8	ng/dl
Testosterone		Children: See tanner stage		
Testosterone		table which accompanies		
Testosterone		test report		
Theopylline	THEO	Therapeutic	10.0-20.0	ug/ml
Thyroid Stimulating Hormone	TSH	Children, 0-1 yr	1.36-8.80	mIU/ml
Thyroid Stimulating Hormone		Children, 1-6 yr	0.85-6.50	mIU/ml
Thyroid Stimulating Hormone		Children >6 yr and Adult	0.27-4.20	mIU/ml
Total Iron Binding Capacity (TIBC)	TIB		254-457	ug/dl
Total Protein	TP	Newborn	4.6-7.0	g/dl
Total Protein		1 week	4.4-7.6	g/dl
Total Protein		7 months - 1 year	5.1-7.3	g/dl
Total Protein		1-2 years	5.6-7.5	g/dl
Total Protein		3-18 years	6.0-8.0	g/dl
Total Protein		Adult (ambulatory)	6.4-8.3	g/dl
Transferrin	TRANS		200-360	mg/dl
Transferrin (Iron) Saturation	TSAT	Male	20-55	percent
Transferrin (Iron) Saturation		Female	15-50	percent
Triglyceride	TRIG		<150	mg/dl
Troponin-T (High Sensitivity)	HSTNT	Male	<22	ng/L
Troponin-T (High Sensitivity)	HSTNT	Female	<14	ng/L
Urea Nitrogen, Urine	URURNT	Timed	10-20	g/24 hrs
Uric Acid	URIC		2.5-8.0	mg/dl
Urine Drug Screen Tests:				
Amphetamine/Methamphetamine	UAMP		NEGATIVE	
Barbiturate	UBAR		NEGATIVE	
Benzodiazepine	UBEN		NEGATIVE	
Buprenorphine	UBUP		NEGATIVE	
Cannabinoid	UTHC		NEGATIVE	
Cocaine	UCOKE		NEGATIVE	
Ethanol	UETOH		NEGATIVE	
Fentanyl	UFENT		NEGATIVE	
MDMA (Ecstasy)	UMDMA		NEGATIVE	
Opiate	UOP		NEGATIVE	
Oxycodone	UOXY		NEGATIVE	
PCP	UPCP		NEGATIVE	
Uric Acid	URIC		2.5-8.0	mg/dl
Uric Acid, Urine	URURIT	Timed	250-750	mg/24 hr
Viscosity, Serum	VISC		1.4-1.8	ratio
Vitamin B12	B12		211-946	pg/ml
Vitamin D	VITD		30-100	ng/ml

Test Name	Test Code	Range Type	Reference Range	Units
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