

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
Albumin	Male	0 min-3 days	2.80-4.40 gm/dL
	Male	4 days -15 years	3.80-5.40
	Male	16-20 years	4.20-5.30
	Male	21-30 years	4.30-5.20
	Male	31-35 years	4.20-5.20
	Male	36-45 years	4.20-5.10
	Male	46-55 years	4.10-5.00
	Male	56-60 years	4.00-5.00
	Male	61-65 years	4.00-4.90
	Male	66-75 years	3.90-4.90
	Male	76-80 years	3.80-4.80
	Male	81-150 years	3.70-4.80
	Female	0-3 days years	2.80-4.40 gm/dL
	Female	4 days -15 years	3.80-5.40
	Female	16-30 years	4.00-5.10
	Female	31-40 years	3.90-5.00
	Female	41-60 years	3.90-4.90
	Female	61-80 years	3.80-4.80
	Female	81-150years	3.70-4.70
	Alkaline Phosphatase	Male	0-<1 years
Male		1-9 years	88-264
Male		10-12 years	88-308
Male		13-15 years	88-396
Male		16-20 years	53-238
Male		21-25 years	38-123
Male		26-50 years	38-114
Male		51-60 years	38-119
Male		61-65 years	43-119
Male		66-75 years	43-123
Male		76-80 years	43-132
Male		81-150years	43-136
Female		0-<1 years	132-440
Female		1-9 years	88-308
Female		10-12 years	88-352
Female		13-15 years	44-264
Female		16-20 years	44-119
Female		21-40 years	28-110
Female		41-45 years	28-114
Female		46-50 years	28-119
Female	51-60 years	28-123	
Female	61-75 years	40-123	
Female	76-80 years	40-128	
Female	81-150years	40-132	
ASO	Male & Female	0-11 years	0-200
	Male & Female	12-17 years	0-160
	Male & Female	18-150 years	0-120

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
ALT (SGPT)	Male	0-15 years	0-40 U/L
	Male	16-20 years	0-50
	Male	21-25 years	0-60
	Male	26-40 years	0-65
	Male	41-50 years	0-60
	Male	51-55 years	0-55
	Male	56-60 years	0-50
	Male	61-65 years	0-45
	Male	66-80 years	0-40
	Male	81-150 years	0-35
	Female	0-60 years	0-40
	Female	61-70 years	0-35
	Female	71-150 years	0-30
	AST	Male	0-<1 years
Male		1-2 years	5-80.
Male		3-8 years	0-60
Male		9-15 years	0-50
Male		16-30 years	0-45
Male		31-45 years	0-50
Male		46-50 years	0-45
Male		51-150 years	0-40
Female		0-<1 years	10-100
Female		1-2 years	5-80
Female		3-8 years	0-60
Female		9-15 years	0-50
Female		16-25 years	0-35
Female		26-150 years	0-40
Bicarbonate (HCO ₃)	Male & Female	0-4 years	15-25 MMOL/L
	Male & Female	5-150 years	18-30
Bilirubin, Direct	Male & Female	0-15 years	0.00-0.40 mg/dL
	Male	16-150 years	0.00-0.30 mg/dL
	Female	16-150 years	0.00-0.20 mg/dL
Bilirubin, Total	Male & Female	0-<1day	2.00-6.00 mg/dL
	Male & Female	1 days	3.00-10.00
	Male & Female	2-4 days	4.00-12.00
	Male & Female	5 days-<2 months	1.00-6.00
	Male & Female	2 months-15 years	0.10-1.20
	Male	16-30 years	0.10-1.50
	Female	16-30 years	0.10-1.50
	Male	31-50 years	0.10-1.40
	Female	31-50 years	0.10-1.40
	Male	51-150 years	0.10-1.30
	Female	51-150 years	0.10-1.30

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
BUN (Blood Urea Nitrogen)	Male	0-20 years	5.00-20.00 mg/dL
	Male	21-35 years	5.00-21.00
	Male	36-40 years	5.00-22.00
	Male	41-55 years	5.00-23.00
	Male	56-70 years	5.00-25.00
	Male	71-75 years	5.00-26.00
	Male	76-80 years	5.00-28.00
	Male	81-150years	5.00-30.00
	Female	0-15 years	5.00-20.00
	Female	16-25 years	5.00-17.00
	Female	26-35 years	5.00-18.00
	Female	36-45 years	5.00-19.00
	Female	46-50 years	5.00-20.00
	Female	51-60 years	5.00-22.00
	Female	61-75 years	5.00-24.00
	Female	76-80 years	5.00-26.00
	Female	81-150years	5.00-28.00
Calcium	Male & Female	0-<1month	7.50-11.00 (mg/dL)
	Male & Female	1 month - 150yrs	8.50-10.50
Carotene	Male & Female	0-<9 months	0 ug/dL
	Male & Female	9 months-5 years	5.00-80.00
	Male & Female	6-16 years	9.00-190.00
	Male & Female	17-150yrs	6.00-77.00
Complement, C3	Male & Female	0-<1 day	59-121 mg/dL
	Male & Female	1 day-<1 month	54-129
	Male & Female	1-<2 months	61-154
	Male & Female	2-<3 months	66-136
	Male & Female	3-<4 months	64-182
	Male & Female	4-<5 months	66-174
	Male & Female	5-<6months	77-178
	Male & Female	6-<9months	78-173
	Male & Female	9 months-<1 year	76-187
	Male & Female	1 year	87-181
	Male & Female	2 years	84-177
	Male & Female	3 years	80-178
	Male & Female	4-5 years	89-173
	Male & Female	6-7 years	91-161
	Male & Female	8-9 years	92-203
	Male & Female	10-150 years	73-183
Coprotophyrin, Random Urine	Male & Female	0-<1 years	0 ug/G
	Male & Female	1-10 years	10.10-254.70
	Male & Female	11-17 years	11.80-107.20
	Male & Female	18-150 years	23.00-130.00

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
Cortisol, AM	Male & Female	0-2 days	1.70-14.00 ug/dL
	Male & Female	3 days-6days	2.00-11.00
	Male & Female	1 week-<1 year	2.80-23.00
	Male & Female	1-150 years	6.00-28.00
Cortisol, PM	Male & Female	0-2 days	1.70-14.00
	Male & Female	3 days-6 days	2.00-11.00
	Male & Female	1 week-<1 year	2.80-23.00
	Male & Female	1-150 years	3.00-16.00
Cortisol, Free Urine	Male & Female	0-<1 years	0.00 ug/day
	Male & Female	1-4 years	0.90-8.20
	Male & Female	5-9 years	1.00-30.00
	Male & Female	10-13 years	1.00-45.00
	Male & Female	14-17 years	3.00-55.00
	Male & Female	18-150years	4.00-50.00
Creatinine	Male	0-<1 years	0.30-0.60mg/dl
	Male	1-9 years	0.40-1.00
	Male	10-15 years	0.50-1.40
	Male	16-20 years	0.50-1.20
	Male	21-45 years	0.50-1.30
	Male	46-60 years	0.50-1.40
	Male	61-70 years	0.50-1.50
	Male	71-80 years	0.50-1.70
	Male	81-150 years	0.50-1.80
	Female	0-<1 years	0.30-0.60
	Female	1-9 years	0.40-1.00
	Female	10-15 years	0.50-1.30
	Female	16-20 years	0.50-1.00
	Female	21-45 years	0.50-1.10
	Female	46-60 years	0.50-1.20
	Female	61-70 years	0.50-1.30
	Female	71-80 years	0.50-1.40
	Female	81-150 years	0.50-1.50
Digoxin	Male & Female	0-<1 years	1.00-3.50 ng/mL
	Male & Female	1-12 years	1.00-3.00
	Male & Female	13-150 years	1.00-2.00
Fecal Fat, Quant	Male & Female	0-5 years	0-2.00 grams
	Male & Female	6-150 years	0-7.00 grams
Ferritin	Male & Female	0-6 days	25.00-200 ng/mL
	Male & Female	1 week-<1 months	50.00-600
	Male & Female	1-<2 months	30.00-400
	Male & Female	2 months-12 years	25.00-200
	Male	13-150 years	25.00-300
	Female	13-150 years	15.00-150

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
GGT	Male & Female	0-6 days	0.00-200.00 U/L
	Male & Female	1 week-<1 year	0.00-100.00
	Male	1-150 years	0.00-65.00
	Female	1-150 years	0.00-45.00
Glucose, Fasting	Male & Female	0- 6 days	40.00-60.00 mg/dL
	Male & Female	1week-150 years	70.00-100.00
Haptoglobin	Male & Female	0-<6 months	0.00-100.00 mg/dL
	Male & Female	6months-150years	37.00-184.00
Hematocrit	Male	0-13 days	40.00-72.00 %
	Male	2 weeks-<1 month	32.00-55.00
	Male	1-<3 months	30.00-54.00
	Male	3-<5 months	28.00-40.50
	Male	6 months-<1 year	30.00-42.00
	Male	1-3 years	30.00-44.00
	Male	4-7 years	30.00-46.00
	Male	8-11 years	32.00-48.00
	Male	12-13 years	34.50-52.00
	Male	14-15 years	37.00-52.00
	Male	16-20 years	40.00-50.30
	Male	21-30 years	40.90-50.80
	Male	31-40 years	40.70-50.80
	Male	41-50 years	40.20-50.80
	Male	51-60 years	39.50-51.10
	Male	61-150years	38.30-51.20
	Female	0-13 days	40.00-72.00
	Female	2 weeks-<1 month	32.00-55.00
	Female	1-<2 months	30.00-54.00
	Female	3-<6 months	28.00-40.50
	Female	6 months-<1 year	30.00-42.00
	Female	1-3 years	30.00-44.00
	Female	4-7 years	30.00-46.00
	Female	8-11 years	32.00-48.00
	Female	12-15 years	34.50-47.00
	Female	16-20 years	33.90-45.10
	Female	21-30 years	33.90-45.50
	Female	31-40 years	35.00-46.10
	Female	41-50 years	35.80-46.90
	Female	51-60 years	36.40-47.70
	Female	61-150years	35.70-47.80

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
Hemoglobin	Male	0-13 days	14.00-23.00 gm/dL
	Male	2 weeks-<1 month	11.00-18.00
	Male	1-<2 months	9.80-17.80
	Male	3-<5 months	9.60-13.40
	Male	6 months-<1 year	10.20-13.80
	Male	1-3 years	10.20-14.40
	Male	4-7 years	10.50-15.10
	Male	8-11 years	10.90-15.80
	Male	12-13 years	11.50-16.50
	Male	14-15 years	12.40-17.10
	Male	16-20 years	13.40-17.30
	Male	21-30 years	13.80-17.40
	Male	31-40 years	13.60-17.40
	Male	41-50 years	13.40-17.40
	Male	51-60 years	13.10-17.30
	Male	61-150 years	12.50-17.30
	Female	0-13 days	14.00-23.00
	Female	2 weeks-<1 month	11.00-18.00
	Female	1-<2 months	9.80-17.80
	Female	3-<5 months	9.60-13.40
	Female	6 months-<1 year	10.20-13.80
	Female	1-3 years	10.20-14.40
	Female	4-7 years	10.50-15.10
	Female	8-11 years	10.90-15.80
	Female	12-15 years	11.50-16.00
	Female	16-20 years	11.20-15.20
	Female	21-30 years	11.20-15.30
	Female	31-40 years	11.40-15.50
	Female	41-50 years	11.60-15.70
	Female	51-60 years	11.80-15.90
Female	61-150 years	11.60-15.90	
LDH	Male & Female	0-1 day	400-1100 U/L
		2 day -1 month	400-800
		1month-2years	200-500
		3-4years	100-350
		5-150 years	100-250
MCH	Male	0-13days	30.00-39.50 pg
	Male	2weeks-<1month	28.00-35.00
	Male	1month-15years	25.00-34.00
	Male	16-20years	26.90-32.50
	Male	21-30years	27.20-32.70
	Male	31-40years	27.30-33.10
	Male	41-50years	27.50-33.50
	Male	51-150years	27.60-33.80
	Female	0-13days	30.00-39.50
	Female	2weeks-<1month	28.00-35.00
	Female	1month-15years	25.00-34.00
	Female	16-20years	25.80-32.40
	Female	21-30years	26.00-32.60

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>	
MCH (continued)	Female	31-40years	26.00-33.00	
	Female	41-50years	26.10-33.30	
	Female	51-60years	26.70-33.20	
	Female	61-150years	26.80-33.30	
MCHC	Male	0-15years	32.30-36.50 gm/dL	
	Male	16-30years	32.10-35.90	
	Male	31-40years	32.00-35.90	
	Male	41-50years	31.90-35.70	
	Male	51-60years	31.80-35.70	
	Male	61-150years	31.60-35.50	
	Female	0-15years	32.30-36.50	
	Female	16-30years	31.30-35.30	
	Female	31-40years	31.20-35.00	
	Female	41-50years	31.00-34.90	
	Female	51-60years	31.00-34.80	
	Female	61-150years	30.90-34.70	
	MCV	Male	0-13days	91.00-120.00 fL
		Male	2weeks-<1month	86.00-106.00
Male		1-<3months	77.00-103.00	
Male		3-<6months	73.00-92.00	
Male		6months-<1year	73.00-87.00	
Male		1-3years	73.00-90.00	
Male		4-7years	75.00-92.00	
Male		8-11years	76.00-93.00	
Male		12-15years	78.00-97.00	
Male		16-20years	81.00-95.20	
Male		21-30years	81.50-95.80	
Male		31-40years	81.60-96.80	
Male		41-50years	82.50-98.50	
Male		51-60years	83.30-99.60	
Male		61-150years	83.70-99.80	
Female		0-13days	91.00-120.00	
Female		2weeks-<1month	86.00-106.00	
Female		1-<3months	77.00-103.00	
Female		3-<6months	73.00-92.00	
Female		6months-<1year	73.00-87.00	
Female		1-3years	73.00-90.00	
Female		4-7years	75.00-92.00	
Female		8-11years	76.00-93.00	
Female		12-15years	78.00-97.00	
Female		16-20years	80.10-96.10	
Female		21-30years	80.30-97.30	
Female		31-40years	80.90-98.70	
Female		41-50years	81.70-100.00	
Female		51-60years	82.80-99.80	
Female		61-150years	83.20-100.50	

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>	
MPV	Male	0-15years	9.30-12.90 fL	
	Male	16-20years	9.50-12.80	
	Male	21-30years	9.50-12.80	
	Male	31-40years	9.40-12.80	
	Male	41-50years	9.40-12.90	
	Male	51-60years	9.50-12.90	
	Male	61-150years	9.50-12.80	
	Female	0-15years	9.30-12.90	
	Female	16-20years	9.40-12.80	
	Female	21-30years	9.40-12.90	
	Female	31-60years	9.40-12.80	
	Female	61-150years	9.50-12.90	
	Platelet Count	Male	0-15years	150.00-480.00 10 ⁹ /L
		Male	16-20years	159.00-359.00
Male		21-30years	161.00-361.00	
Male		31-40years	156.00-365.00	
Male		41-50years	156.00-367.00	
Male		51-60years	150.00-360.00	
Male		61-150years	146.00-367.00	
Female		0-15years	150.00-480.00	
Female		16-20years	174.00-404.00	
Female		21-30years	172.00-411.00	
Female		31-40years	177.00-419.00	
Female		41-50years	180.00-427.00	
Female		51-60years	177.00-414.00	
Female		61-150years	170.00-422.00	
RBC	Male	0-13days	4.00-6.00 X 10 ¹² /L	
	Male	2weeks-<1month	3.85-5.30	
	Male	1-<3months	3.80-5.10	
	Male	3-<6months	3.75-4.80	
	Male	6months-<1year	3.75-4.90	
	Male	1-3years	3.85-5.00	
	Male	4-7years	4.05-5.17	
	Male	8-11years	4.20-5.25	
	Male	12-13years	4.25-5.45	
	Male	14-15years	4.30-5.45	
	Male	16-20years	4.56-5.74	
	Male	21-30years	4.57-5.78	
	Male	31-40years	4.53-5.73	
	Male	41-50years	4.44-5.67	
	Male	51-60years	4.39-5.64	
	Male	61-150years	4.34-5.61	
	Female	0-13days	4.00-6.00	
	Female	2weeks-<1month	3.85-5.30	
	Female	1-<3months	3.80-5.10	
	Female	3-<6months	3.75-4.80	
	Female	6months-<1year	3.75-4.90	
	Female	1-3years	3.85-5.00	
	Female	4-7years	4.05-5.17	
	Female	8-11years	4.20-5.25	

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
RBC (continued)	Female	12-15years	3.79-5.25
	Female	16-20years	3.92-5.13
	Female	21-30years	3.90-5.13
	Female	31-40years	3.94-5.13
	Female	41-51years	3.95-5.16
	Female	51-60years	3.97-5.19
	Female	61-150years	3.93-5.19
RDW	Male	0-<3months	11.00-19.00 %
	Male	3months-15years	11.00-16.00
	Male	16-20years	11.90-13.90
	Male	21-30years	11.90-14.10
	Male	31-40years	12.00-14.20
	Male	41-50years	12.10-14.50
	Male	51-60years	12.10-14.70
	Male	61-150years	12.20-15.00
	Female	0-<3months	11.00-19.00
	Female	3months-15years	11.00-16.00
	Female	16-20years	11.80-14.80
	Female	21-30years	11.90-14.80
	Female	31-40years	12.00-14.90
	Female	41-50years	12.10-15.20
	Female	51-60years	12.20-15.10
	Female	61-150years	12.20-15.30
	WBC	Male	0-<2years
Male		2-60years	6.00-14.50
Male		7-150years	4.30-11.00
Female		0-<2years	6.00-17.50
WBC continued	Female	2-6years	6.00-14.50
	Female	7-150years	4.30-11.00
Osmolality, Serum	Male & Female	0-6days	265-295 mOsm/kg
	Male & Female	1week-59years	275-295
	Male & Female	60-150years	280-300
Potassium (K), Serum	Male & Female	0 min-1 year	3.50-6.00 mmol/L
	Male & Female	1 year-150 year	3.50-5.50
Prolactin	Male		2.1-17.7 ng/ml
	Female	Non-Pregnant	2.8-29.2
	Female	Pregant	9.7-208.5
	Female	Post-Menopausal	1.8-20.3

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
Protein, CSF	Male & Female	0-<1month	20-170 mg/dL
	Male & Female	1-<3months	20-100
	Male & Female	3-<6months	15-50
	Male & Female	6months-150years	15-45
Protein Total, Serum	Male	0-<1month	4.50-7.00 gm/dL
	Male	1month-2years	5.50-7.50
	Male	3-15years	6.00-8.40
	Male	16-35years	6.70-8.40
	Male	36-40years	6.70-8.30
	Male	41-45years	6.70-8.20
	Male	46-55years	6.60-8.20
	Male	56-70years	6.50-8.20
	Male	71-75years	6.40-8.10
	Male	76-80years	6.30-8.10
	Male	81-150years	6.10-8.10
	Female	0-<1month	4.50-7.00
	Female	1month-<2years	5.50-7.50
	Female	1-15years	6.00-8.40
	Female	16-35years	6.70-8.30
	Female	36-40years	6.60-8.30
	Female	41-45years	6.60-8.20
	Female	46-65years	6.50-8.20
	Female	66-75years	6.40-8.20
	Female	76-80years	6.30-8.20
Female	81-150years	6.10-8.20	
Retic count	Male & Female	0-<2weeks	100-390 x10 ⁹ /L
		2weeks-150years	24-90
Sodium (Na), Serum	Male & Female	0-<1 months	135-145 mmol/L
	Male & Female	1 month-<3months	133-145
	Male & Female	3months-11years	138-145
	Male & Female	12-150years	135-145
T4	Male & Female	0-<1week	9.00-26.00 ug/dL
T4 continued	Male & Female	1week-<1month	8.00-20.00
	Male & Female	1month-<1year	7.00-17.00
	Male & Female	1-4years	5.00-13.00
	Male & Female	5-150years	5.50-12.00
Triglycerides	Male & Female	0-9years	30-100 mg/dL
	Male & Female	10-14years	30-125
	Male & Female	15-19years	35-150
	Male & Female	20-150years	30-150



Age Related Reference Ranges 2017

<u>Test Name</u>	<u>Gender</u>	<u>Age</u>	<u>Normal Range</u>
TSH	Male	0-<1month	0.76-16.11 uL/mL
	Male	1month-4years	0.80-7.52
	Male	5-15years	0.61-6.39
	Male	16-150years	0.30-5.00
	Female	0-<1month	0.96-13.68
	Female	1month-4years	0.70-8.55
	Female	5-15years	0.60-6.18
	Female	16-150years	0.30-5.00

Last Updated 06/12/2017
Regional Medical Lab
4142 South Mingo Road
Tulsa, OK 74146-3632