

TidalHealth Peninsula Regional
100 E. Carroll St. Salisbury, MD 21801
Laboratory Normal Values - Reviewed 10/29/2025

Test Name	Units	Effective Date	Age Range	Male Range	Female Range	Range for Both
Chemistry, Routine						
Albumin	g/dL	5/28/2025	18 Years & Up			3.5 - 5.2
			14 Days to 18 Years			3.2 - 4.5
			4 Days to 14 Days			3.8 - 5.4
			0 to 4 Days			2.8 - 4.4
Alk. Phosphatase	IU/L	7/1/2008	19 Years & Up	40 - 129	35 - 104	
			17 Years to 19 Years	55 - 149	45 - 87	
			15 Years to 17 Years	82 - 331	50 - 117	
			13 Years to 15 Years	116 - 468	57 - 254	
			10 Years to 13 Years			129 - 417
			1 Years to 10 Years			142 - 335
			15 Days to 1 Years			122 - 469
			0 to 15 Days			83 - 248
ALT (SGPT)	IU/L	7/1/2008	0 Days & Up	10 - 50	10 - 35	
Amylase	U/L	7/1/2008	0 Days & Up			28 - 100
AST (SGOT)	IU/L	7/1/2008	7 Years & Up	10 - 50	10 - 35	
			7 Days to 7 Years			16 - 60
			0 to 7 Days			23 - 95
Bilirubin, Direct	mg/dL	7/9/2008	30 Days & Up			<=0.30
			0 to 30 Days			<0.60
Bilirubin, Indirect	mg/dL	7/1/2008	0 Days & Up			<=0.90
Bilirubin, Total	mg/dL	8/23/2008	18 Years & Up			<=1.20
			30 Days to 18 Years			<=1.00
			7 Days to 30 Days			<=7.00
			3 Days to 7 Days			<=12.00
			2 Days to 3 Days			<11.00
			1 Days to 2 Days			<7.50
			0 to 1 Days			<=6.00
BUN	mg/dL	7/1/2008	60 Years & Up			8.0 - 23.0
			18 Years to 60 Years			6.0 - 20.0
			1 Years to 18 Years			5.0 - 18.0
			0 to 1 Years			4.0 - 19.0
Calcium	mg/dL	2/5/1999	90 Years to 150 Years			8.2 - 9.6
			60 Years to 90 Years			8.8 - 10.2
			18 Years to 60 Years			8.6 - 10.0
			12 Years to 18 Years			8.4 - 10.2
			2 Years to 12 Years			8.8 - 10.8
			10 Days to 2 Years			9.0 - 11.0
			0 to 10 Days			7.6 - 10.4
Chloride	mmol/L	7/1/2008	0 Days & Up			98 - 107
Cholesterol	mg/dL	4/23/2024	18 Years & Up			<200
			2 Years to 18 Years			<170

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CO2	mmol/L	7/1/2008	0 Days & Up			22 - 29
CK, Total	U/L	7/1/2008	0 Days & Up	<190	<170	
Creatinine (Bld)	mg/dL	7/1/2008	15 Years & Up	0.67 - 1.17	0.51 - 0.95	
			13 Years to 15 Years			0.46 - 0.77
			11 Years to 13 Years			0.44 - 0.68
			9 Years to 11 Years			0.33 - 0.64
			7 Years to 9 Years			0.34 - 0.53
			5 Years to 7 Years			0.29 - 0.47
			3 Years to 5 Years			0.26 - 0.42
			12 Months to 3 Years			0.18 - 0.35
			2 Months to 12 Months			0.16 - 0.39
			0 to 2 Months			0.31 - 0.98
Creatinine, Ur. 24 hr	mg/24 Hr	7/1/2008	0 Days & Up	980 - 2200	720 - 1510	
Creat. Clearance Ur.	mL/min	7/1/2008	0 Days & Up			66 - 143
eGFR	mL/min/1.73 m2	4/9/2020	18 Years & Up			>= 60
Gamma GT	IU/L	7/1/2008	18 Years & Up	<60	<40	
			13 Years to 18 Years	<=42	<=24	
			1 Years to 13 Years			<=22
			183 Days to 1 Years			<=39
			0 to 183 Days	<=122	<=132	
Glucose, Fasting	mg/dL	1/22/2004	18 Years & Up			70 - 100
			1 Years to 18 Years			60 - 100
			10 Days to 1 Years			50 - 80
			0 to 10 Days			40 - 60
Glucose, Random	mg/dL	1/20/2018	18 Years & Up			70 - 140
			1 Years to 18 Years			60 - 100
			10 Days to 1 Years			50 - 80
			0 to 10 Days			40 - 60
LDH	IU/L	7/1/2008	16 Years & Up	135 - 225	135 - 214	
			2 Years to 16 Years			120 - 300
			21 Days to 2 Years			155 - 345
			0 to 21 Days			225 - 600
LDL (Direct & Calculated)	mg/dL	4/23/2024	18 Years & Up			<100
			2 Years to 18 Years			<110
Lipase	U/L	7/1/2008	18 Years & Up			13 - 60
			2 Years to 18 Years			11 - 33
			0 to 2 Years			12 - 23
Magnesium	mg/dL	11/24/2012	90 Years & Up			1.7 - 2.3
			60 Years to 90 Years			1.6 - 2.4
			20 Years to 60 Years			1.6 - 2.6
			12 Years to 20 Years			1.7 - 2.2
			6 Years to 12 Years			1.7 - 2.1

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			5 Months to 6 Years			1.7 - 2.3
			0 to 5 Months			1.5 - 2.2
Phosphorus	mg/dL	7/1/2008	18 Years & Up			2.5 - 4.5
			16 Years to 18 Years	2.7 - 4.9	2.5 - 4.8	
			13 Years to 16 Years	2.9 - 5.1	2.8 - 4.8	
			10 Years to 13 Years	3.2 - 5.7	3.3 - 5.3	
			7 Years to 10 Years	3.0 - 5.4	3.1 - 5.5	
			4 Years to 7 Years	3.3 - 5.6	3.2 - 5.5	
			1 Years to 4 Years	3.1 - 6.0	3.4 - 6.0	
			1 Months to 1 Years	3.5 - 6.6	3.7 - 6.5	
			0 to 1 Months	3.9 - 6.9	4.3 - 7.7	
Potassium	mmol/L	7/1/2008	16 Years & Up			3.4 - 5.1
			2 Years to 16 Years			3.4 - 4.7
			10 Days to 2 Years			4.1 - 5.3
			0 to 10 Days			3.5 - 5.9
Protein, Total (Bld)	g/dL	7/1/2008	18 Years & Up			6.4 - 8.3
			3 Years to 18 Years			6.0 - 8.0
			1 Years to 3 Years			5.6 - 7.5
			7 Months to 1 Years			5.1 - 7.3
			7 Days to 7 Months			4.4 - 7.6
			0 to 7 Days			4.6 - 7.0
Protein, Ur. 24hr	mg/24 Hr	7/22/2008	0 Days & Up			<150
Sodium	mmol/L	7/1/2008	0 Days & Up			136 - 145
Triglycerides	mg/dL	4/23/2024	18 Years & Up			<150
			10 to 18 Years			<90
			2 to 10 Years			<75
Uric Acid	mg/dL	7/1/2008	0 Days & Up	3.4 - 7.0	2.4 - 5.7	
Immunoassay and Special Chemistry						
Beta-2 Microglobulin	mcg/mL	4/29/2025	60 Years & Up			<=3.0
			0 to 60 Years			0.8 - 2.4
Beta HCG	mIU/mL	8/28/2007	0 Days & Up	<2.6	Adult Fem. Non-pregnant <5.3 Post-Menopausal Fem. <8.3	
CMV (IgG and/or IgM, Serum)	Qualitative	Reference Lab	0 Days & Up			Negative
CMV Quant. PCR, Plasma	IU/mL	Reference Lab	0 Days & Up			Undetected
FSH	mIU/mL	9/5/2013	0 Days & Up	1.5 - 12.4	Female Follicular: 3.5 - 12.5 Ovulation: 4.7 - 22.51 Luteal: 1.7 - 7.7 Post-menopausal: 25.8 - 134.8	
Hb A1c	%	9/1/2017	0 Years & Up			4.0 - 6.0

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HCV antibody - HCVAb	S/CO	6/1/2010	0 Years & Up			Non-Reactive
Hepatitis B Core Antibody IgM	S/CO	6/1/2010	0 Years & Up			Non-Reactive
Hepatitis B Core Antibody Total	S/CO	6/1/2010	0 Years & Up			Non-Reactive
Hepatitis B Surface Antibody	S/CO	6/1/2010	0 Years & Up			Non-Reactive
Hepatitis B Surface Antigen	S/CO	6/1/2010	0 Years & Up			Non-Reactive
IgA, Serum	mg/dL	4/29/2025	19 Years & Up			70 - 400
			16 Years to 19 Years			61 - 348
			14 Years to 16 Years			47 - 249
			12 Years to 14 Years			58 - 358
			10 Years to 12 Years			53 - 204
			7 Years to 10 Years			34 - 305
			4 Years to 7 Years			27 - 195
			1 Years to 4 Years			20 - 100
			0 to 1 Years			</=83
IgG, Serum, Total (Peninsula)	mg/dL	4/29/2025	19 Years & Up			700 - 1600
			16 Years to 19 Years			549 - 1584
			14 Years to 16 Years			716 - 1711
			12 Years to 14 Years			759 - 1550
			10 Years to 12 Years			698 - 1560
			7 Years to 10 Years			572 - 1474
			4 Years to 7 Years			504 - 1465
			1 Years to 4 Years			453 - 916
			0 to 1 Years			232 - 1411
IgG, Subclasses Serum Total	mg/dL	Reference Lab	0-<5 months			100 - 334
			5-<9 months			164 - 588
			9-<15 months			246 - 904
			15-<24 months			313 - 1,170
			2-<4 years			295 - 1,156
			4-<7 years			386 - 1,470
			7-<10 years			462 - 1,682
			10-<13 years			503 - 1,719
			13-<16 years			509 - 1,580
			16-<18 years			487 - 1,327
			≥18 years			767 - 1,590
IgG1, Subclasses Serum	mg/dL	Reference Lab	0-<5 months			56 - 215
			5-<9 months			102 - 369
			9-<15 months			160 - 562
			15-<24 months			209 - 724
			2-<4 years			158 - 721
			4-<7 years			209 - 902
			7-<10 years			253 - 1,019
			10-<13 years			280 - 1,030
			13-<16 years			289 - 934
			16-<18 years			283 - 772
			≥18 years			341 - 894

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IgG2, Subclasses Serum	mg/dL	Reference Lab	0-<5 months			≤82
			5-<9 months			≤89
			9-<15 months			24 - 98
			15-<24 months			35 - 105
			2-<4 years			39 - 176
			4-<7 years			44 - 316
			7-<10 years			54 - 435
			10-<13 years			66 - 502
			13-<16 years			82 - 516
			16-<18 years			98 - 486
			≥18 years			171 - 632
IgG3, Subclasses Serum	mg/dL	Reference Lab	0-<5 months			7.6 - 82.3
			5-<9 months			11.9 - 74.0
			9-<15 months			17.3 - 63.7
			15-<24 months			21.9 - 55.0
			2-<4 years			17.0 - 84.7
			4-<7 years			10.8 - 94.9
			7-<10 years			8.5 - 102.6
			10-<13 years			11.5 - 105.3
			13-<16 years			20.0 - 103.2
			16-<18 years			31.3 - 97.6
			≥18 years			18.4 - 106.0
IgG4, Subclasses Serum	mg/dL	Reference Lab	0-<5 months			≤19.8
			5-<9 months			≤20.8
			9-<15 months			≤22.0
			15-<24 months			≤23.0
			2-<4 years			≤49.1
			4-<7 years			≤81.9
			7-<10 years			1.0 - 108.7
			10-<13 years			1.0 - 121.9
			13-<16 years			≤121.7
			16-<18 years			≤111.0
			≥18 years			2.4 - 121.0
IgM, Serum	mg/dL	4/29/2025	19 Years & Up			40 - 230
			16 Years to 19 Years			23 - 259
			14 Years to 16 Years			15 - 188
			12 Years to 14 Years			35 - 239
			10 Years to 12 Years			31 - 179
			7 Years to 10 Years			31 - 208
			4 Years to 7 Years			24 - 210
			1 Years to 4 Years			19 - 146
			0 to 1 Years			≤145
PSA	ng/mL	8/14/2012	0 Days & Up	≤4.000		
T3, Total	ng/dL	8/28/2007	0 Days & Up			80 - 200
T3, Free	pg/mL	5/19/2012	20 Years & Up			2.0 - 4.4
			12 Years to 20 Years			4.8 - 6.0
			7 Years to 12 Years			5.0 - 6.0
			2 Years to 7 Years			5.3 - 6.2

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			2 Months to 2 Years			5.7 - 6.4
			0 to 2 months			4.7 - 5.4
T4, Free	ng/dL	8/4/2012	0 Days & Up			0.92 - 1.68
Troponin-T, high sensitivity	ng/L	2/1/2022	0 Days & Up	<=22	<=14	<=19
TSH	uIU/mL	9/5/2013	0 Days & Up			0.270 - 4.200
Hematology - Hemogram						
WBC	x10E3/uL	9/17/2019	9 Years & Up			3.6 - 11.2
			4 to 9 Years			5.5 - 12.5
			1 Months to 4 Years			5.5 - 14.0
			15 Days to 1 Month			5.0 - 15.0
			0 to 15 Days			7.0 - 18.0
RBC	x10E6/uL	9/17/2019	14 Years & Up	4.06 - 5.63	4.10 - 5.30	3.73 - 5.50
			4 Years to 14 Years			3.7 - 5.0
			2 Months to 4 Years			3.2 - 4.3
			1 Month to 2 Months			2.7 - 4.2
			15 Days to 1 Month			2.8 - 5.2
			7 Days to 15 Days	3.6 - 6.40	3.3 - 6.4	
			0 to 7 Days	3.7 - 6.4	3.3 - 6.4	
Hemoglobin	g/dL	9/17/2019	14 Years & Up	13.0 - 18.0	12.0 - 16.5	
			9 Years to 14 Years	11.5 - 14.8	11.5 - 14.0	
			4 Years to 9 Years	11.5 - 14.8	11.0 - 13.5	
			2 Months to 4 Years			11.0 - 13.5
			1 Month to 2 Months			10.5 - 13.0
			15 Days to 1 Month			12.5 - 17.5
			7 Days to 15 Days			15.0 - 20.0
			0 to 7 Days	17.0 - 22.0	15.0 - 20.0	
Hematocrit	%	12/8/2009	14 Years & Up	39 - 54	36 - 50	
			9 Years to 14 Years	38 - 48	34 - 42	
			2 Months to 9 Years			33 - 45
			1 Month to 2 Months			30 - 39
			14 Days to 1 Month	37 - 53	37 - 52	
			7 Days to 14 Days			45 - 60
			0 to 7 Days	52 - 66	45 - 60	
MCV	fL	9/17/2019	14 Years & Up			80 - 96
			4 Years to 14 Years			77 - 86
			2 Months to 4 Years			77 - 96
			15 Days to 2 Months			85 - 104
			7 Days to 15 Days			88 - 107
			0 to 7 Days			95 - 108
MCH	pg	7/30/2013	0 Days & Up			26 - 32
MCHC	g/dL	10/1/1983	0 Days & Up			32 - 36
RDW	%	6/15/2016	0 Days & Up			12.3 - 17.0

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Platelet Count	x10E3/uL	9/17/2019	0 Days & Up			150 - 400
MPV	fL	7/30/2013	0 Days & Up			7.4 - 10.4
<u>Hematology - Differential</u>						
Neutrophils	%	7/30/2013	14 Years & Up	41 - 73	40 - 74	
			0 Days to 14 Years			41 - 73
Lymphocytes	%	7/30/2013	14 Years & Up	19 - 45	19 - 51	
			0 Days to 14 Years			19 - 45
Monocytes	%	7/30/2013	0 Days & Up	5 - 12	5 - 11	4 - 12
Eosinophils	%	6/15/2016	0 Days & Up			0.6 - 7.9
Basophils	%	7/30/2013	0 Days & Up			0 - 2
Bands	%	8/11/2011	0 Days & Up			0 - 6
Absolute Neutrophils	x10E3/uL	9/17/2019	7 Days & Up			1.6 - 7.0
			0 Days to 7 Days			1.0 - 18.5
Absolute Lymphocytes	x10E3/uL	9/17/2019	18 Years & Up			0.8 - 4.0
Absolute Monocytes	x10E3/uL	9/17/2019	18 Years & Up			0.2 - 0.8
Absolute Eosinophils	x10E3/uL	9/17/2019	18 Years & Up			0.0 - 0.5
Absolute Basophils	x10E3/uL	9/17/2019	18 Years & Up			0.0 - 0.2
<u>Coagulation</u>						
aPTT Screen	seconds	7/29/2014	0 Days & Up			25 - 36
aPTT Therapy	seconds	7/29/2014	0 Days & Up			59 - 97
Prothrombin Time	seconds	7/29/2014	0 Days & Up			9.4 - 12.5
<u>INR</u>						
Screen	N/A	7/29/2014	0 Days & Up			0.9 - 1.2
Standard Dose	N/A	7/29/2014	0 Days & Up			2.0 - 3.0
High Dose	N/A	7/29/2014	0 Days & Up			2.5 - 3.5
<u>Respiratory</u>						
<u>Arterial Blood Gas</u>						
Arterial pH	N/A	11/16/2006	0 Days & Up			7.35 - 7.45
Arterial PaCO2	mm Hg	11/16/2006	0 Days & Up			35 - 45
Arterial PaO2	mm Hg	4/9/2020	0 Days & Up			60 - 100

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Urinalysis						
Urinalysis w/ Microscopic						
Bilirubin (Ur.)	N/A	1/22/2018	0 Days & Up			Negative
Blood (Ur.)	N/A	1/22/2018	0 Days & Up			Negative
Glucose (Ur.)	N/A	5/17/2023	0 Days & Up			Normal
Ketones (Ur.)	N/A	5/17/2023	6 Months & Up			Negative, Trace
			0 Days to 6 Months			Negative
Leukocyte Est. (Ur.)	N/A	1/22/2018	0 Days & Up			Negative
Nitrite (Ur.)	N/A	1/22/2018	0 Days & Up			Negative
pH (Ur.)	N/A	1/22/2018	0 Days & Up			5.0 - 8.0
Protein (Ur.)	N/A	5/17/2023	0 Days & Up			Negative, Trace
Specific Gravity (Ur.)	N/A	1/22/2018	0 Days & Up			1.005 - 1.030
Urobilinogen (Ur.)	N/A	5/17/2023	0 Days & Up			Normal
Sediment, Erythrocytes	/hpf	1/22/2018	0 Days & Up			None Seen, 1-4
Sediment, Leukocytes	/hpf	1/22/2018	0 Days & Up			None Seen, 1-4
HCG, Urine (UCG)	This is a qualitative (negative/positive) urine pregnancy test. Reference Range = Negative					