

Legacy Laboratory Services

Legacy LabAlert

An Important Update from Legacy Laboratory Services

January 2019

Flow Immune Panel Reference Ranges

Effective January 8, 2019, changes will be made to the reference ranges for the following CD markers in the table listed below. These changes impact the CD4 Only Panel, Immunodeficiency Panel I and Immunodeficiency Panel II. This update will align Legacy Laboratory Services' reference ranges with other laboratories in the community.

SUMMARY OF PEDIATRIC REFERENCE RANGES					
TEST	AGE	CURRENT RANGE		NEW RANGE	
		%	ABSOLUTE CELLS/UL	%	ABSOLUTE CELLS/UL
CD3+	0-6 days (cord blood)			38-88	1400-6800
	1 week-2 months			55-90	1900-8400
	2-5 months			49-97	2200-9200
	5-9 months			49-95	1400-11500
	9-15 months			56-87	2400-8300
	15-24 months			36-100	700-8800
	0-1 years	55-82	2500-6000		
	1-2 years	55-82	2000-4000		
	2-5 years			52-92	850-4300
	2-11 years	55-82	1500-4000		
	>11 years	60-88	800-3500		
	5-10 years			55-97	770-4000
	10-16 years			52-90	850-3200
	17-23 years			50-91	780-3000
CD3+CD4+	0-6 days (cord blood)			26-62	1000-4800
	1 week-2 months			39-69	1500-6000
	2-5 months			37-69	1600-6500
	5-9 months			27-81	1000-7200
	9-15 months			25-86	1300-7100
	15-24 months			16-91	400-7200
	0-1 years	45-55	1700-4200		
	1-2 years	40-50	1700-3500		
	2-5 years			25-66	500-2700
	2-11 years	30-56	100-3000		
	>11 years	33-55	500-2000		
	5-10 years			26-61	400-2500



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SUMMARY OF PEDIATRIC REFERENCE RANGES					
TEST	AGE	CURRENT RANGE		NEW RANGE	
		%	ABSOLUTE CELLS/UL	%	ABSOLUTE CELLS/UL
	10-16 years			20-65	400-2100
	17-23 years			28-64	500-2000
CD3+CD8+	0-6 days (cord blood)			5-37	200-2700
	1 week-2 months			7-35	300-2700
	2-5 months			6-41	300-3400
	5-9 months			10-35	200-5400
	9-15 months			7-58	400-4100
	15-24 months			7-40	200-2800
	0-1 years	10-30	500-2500		
	1-2 years	10-30	500-2500		
	2-5 years			9-49	200-1800
	2-11 years	14-35	400-1500		
	>11 years	14-40	280-1200		
	5-10 years			13-47	200-1700
	10-16 years			14-40	300-1300
17-23 years			12-40	200-1200	
CD3- /CD16+CD5 6+	0-6 days (cord blood)			8-62	500-3100
	1 week -2 months			3-23	140-1900
	2-5 months			2-20	97-1990
	5-9 months			2-36	68-3900
	9-15 months			1-64	71-3500
	15-24 months			1-96	55-4000
	0-1 years		200-1500		
	2-5 years			2-25	61-510
	2-11 years		50-1000		
	>11 years	6-28	75-500		
	5-10 years			2-31	70-590
	10-16 years			4-51	92-1200
	17-23 years			5-49	100-1200
CD19+	0-6 days (cord blood)			3-30	140-2000
	1 week-2 months			3-60	180-3500
	2-5 months			8-33	520-2300
	5-9 months			4-54	130-6300
	9-15 months			3-77	110-7700
	15-24 months			8-45	160-3700
	0-1 years	15-45	500-2500		
	1-2 years	15-35	500-2000		
	2-5 years			8-39	180-1300



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SUMMARY OF PEDIATRIC REFERENCE RANGES					
TEST	AGE	CURRENT RANGE		NEW RANGE	
		%	ABSOLUTE CELLS/UL	%	ABSOLUTE CELLS/UL
	2-11 years	10-25	200-1000		
	>11 years	5-24	70-500		
	5-10 years			4-33	100-800
	10-16 years			7-24	120-740
	17-23 years			4-28	64-820
CD4:CD8 Ratio	0-6 days (cord blood)			1.00-2.60	
	1 week- 2 months			1.30-6.30	
	2-5 months			1.70-3.90	
	5-9 months			1.60-3.80	
	9-15 months			1.30-3.90	
	15-24 months			0.90-3.70	
	0-1 years	1.2-4.5			
	1-2 years	1.2-4.5			
	2-5 years			0.9-2.90	
	2-11 years	1.0-4.0			
	>11 years	1.0-6.5			
	5-10 years			0.90-2.60	
	10-16 years			0.90-3.40	
17-23 years			0.80-3.90		

For specific questions, please contact:

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For additional information, please contact your account representative, client services or consult our website: Legacy Laboratory Client Services: 503-413-1234, 877-270-5566, www.legacyhealth.org/labservices



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