

0095899

Lymphocyte Subset Panel 7 - Congenital Immunodeficiencies

PIP

Reference Interval: Effective February 20, 2018

Reports include age appropriate reference intervals and interpretation.

Reference Interval Notes:

Pediatric reference values (0 - 6 days up to 10 - 15 years) taken from Scandinavian Journal of Immunology 2012; 75, 436-444.

Adult and Geriatric (16 - 64 and 65 plus years) ranges were developed in-lab.

Publications did not address HLA-DR; CD19 ranges were used for all HLA-DR pediatric ranges (0 - 6 days up to 10 - 15 years).

Test Number	Components	0-6 days	1 week-1 month	2-4 months	5-8 months	9-14 months	15-23 months	2-4 years	5-9 years	10-15 years	16-64 years	65 years or older
	% CD2	46-97%	58-97%	51-98%	51-98%	57-97%	37-92%	54-92%	57-97%	56-93%	73-91%	78-92%
	Absolute CD2	1900-8300 cells/μL	2000-9200 cells/μL	2300-10200 cells/μL	1500-13500 cells/μL	2500-10000 cells/μL	750-10800 cells/μL	900-4500 cells/μL	840-4300 cells/μL	950-3800 cells/μL	700-2600 cells/μL	680-2400 cells/μL
	% CD3	38-88%	55-90%	49-97%	49-95%	56-87%	36-92%	52-92%	55-97%	52-90%	62-87%	62-89%
	Absolute CD3	1400-6800 cells/μL	1900-8400 cells/μL	2200-9200 cells/μL	1400-11500 cells/μL	2400-8300 cells/μL	700-8800 cells/μL	850-4300 cells/μL	770-4000 cells/μL	850-3200 cells/μL	570-2400 cells/μL	660-2200 cells/μL
	% HLA-DR	3-30%	3-60%	8-33%	4-54%	3-77%	8-45%	8-39%	4-33%	7-24%	8-24%	7-20%
	Absolute HLA-DR	140-2000 cells/μL	180-3500 cells/μL	520-2300 cells/μL	130-6300 cells/μL	110-7700 cells/μL	160-3700 cells/μL	180-1300 cells/μL	100-800 cells/μL	120-740 cells/μL	100-640 cells/μL	98-430 cells/μL
	% CD4	26-62%	39-69%	37-69%	27-81%	25-86%	16-91%	25-66%	26-61%	20-65%	32-64%	35-68%
	Absolute CD4	1000-4800 cells/μL	1500-6000 cells/μL	1600-6500 cells/μL	1000-7200 cells/μL	1300-7100 cells/μL	400-7200 cells/μL	500-2700 cells/μL	400-2500 cells/μL	400-2100 cells/μL	430-1800 cells/μL	490-1600 cells/μL
	% CD45RA	60-100%	63-100%	66-100%	68-99%	68-98%	57-100%	53-96%	47-97%	39-93%	28-71%	19-62%
	Absolute CD45RA	900-4500 cells/μL	1100-5200 cells/μL	1200-5300 cells/μL	800-5900 cells/μL	900-5200 cells/μL	400-5600 cells/μL	380-2500 cells/μL	250-2000 cells/μL	230-1400 cells/μL	150-870 cells/μL	260-1000 cells/μL
	% CD45RO	2-44%	2-36%	1-42%	1-46%	4-29%	5-39%	11-50%	8-76%	18-68%	28-72%	38-81%
	Absolute CD45RO	98-1300 cells/μL	110-1200 cells/μL	90-1400 cells/μL	100-950 cells/μL	160-710 cells/μL	68-630 cells/μL	150-640 cells/μL	100-510 cells/μL	160-700 cells/μL	190-1050 cells/μL	490-1200 cells/μL
	% CD8	5-37%	7-35%	6-41%	10-35%	7-58%	7-40%	9-49%	13-47%	14-40%	15-46%	10-46%
	Absolute CD8	200-2700 cells/μL	300-2700 cells/μL	300-3400 cells/μL	200-5400 cells/μL	400-4100 cells/μL	200-2800 cells/μL	200-1800 cells/μL	200-1700 cells/μL	300-1300 cells/μL	210-1200 cells/μL	150-1050 cells/μL
	CD4:CD8 Ratio	1.00-2.60	1.30-6.30	1.70-3.90	1.60-3.80	1.30-3.90	0.90-3.70	0.90-2.90	0.90-2.60	0.90-3.40	0.80-3.90	0.80-6.17
	% CD19	3-30%	3-60%	8-33%	4-54%	3-77%	8-45%	8-39%	4-33%	7-24%	6-23%	5-21%
	Absolute CD19	140-2000 cells/μL	180-3500 cells/μL	520-2300 cells/μL	130-6300 cells/μL	110-7700 cells/μL	160-3700 cells/μL	180-1300 cells/μL	100-800 cells/μL	120-740 cells/μL	91-610 cells/μL	74-510 cells/μL
	% NK-cells	8-62%	3-23%	2-20%	2-36%	1-64%	1-96%	2-25%	2-31%	4-51%	4-26%	5-28%
	Absolute NK-cells	500-3100 cells/μL	140-1900 cells/μL	97-2000 cells/μL	68-3900 cells/μL	71-3500 cells/μL	55-4000 cells/μL	61-510 cells/μL	70-590 cells/μL	92-1200 cells/μL	78-470 cells/μL	74-620 cells/μL