

LYMPHOCYTE
SUBSET
ENUMERATION

Orderable - FLOW

Turn Around Time: 48 hours

Specimen:

Peripheral blood collected in 4 mL K2 or K3 EDTA Lavender top Vacutainer tube

Collection Information:

Minimum volume required is 0.5 mL



Laboratory:
Flow Cytometry Lab



Requisition:
Referred-In
Samples: [FLOW](#)
[CYTOMETRY REQUISITION](#)



Method of Analysis:
A whole blood sample is incubated with fluorescent-tagged monoclonal antibodies specific for T and B Lymphocytes and Natural Killer cells.



Test Schedule:
Monday-Friday
0800-1600

Fridays or prior to STAT holidays, routine specimens must be received in the Flow Cytometry Laboratory at Victoria Hospital by 1300.

Reference Ranges:

CD3CD4%				CD3CD4 Absolute x 109/L			
Start Age	End Age	Ref Low	Ref High	Start Age	End Age	Ref Low	Ref High
0 Mins	3 Months	35	64	0 Mins	3 Months	1.60	4.00
3 Months	6 Months	35	56	3 Months	6 Months	1.80	4.00
6 Months	1.00 YEARS	31	56	6 Months	1.00 YEARS	1.40	4.30
1.00 YEARS	2.00 YEARS	32	51	1.00 YEARS	2.00 YEARS	1.30	3.40
2.00 YEARS	6.00 YEARS	28	47	2.00 YEARS	6.00 YEARS	0.70	2.20
6.00 YEARS	12.00 YEARS	31	47	6.00 YEARS	12.00 YEARS	0.65	1.50
12.00 YEARS	18.00 YEARS	31	52	12.00 YEARS	18.00 YEARS	0.53	1.30
18.00 YEARS	124.00 YEARS	33	64	18.00 YEARS	124.00 YEARS	0.50	1.63

CD3CD8%				CD3CD8 Absolute x 109/L			
Start Age	End Age	Ref Low	Ref High	Start Age	End Age	Ref Low	Ref High
0 Mins	3 Months	12	28	0 Mins	3 Months	0.56	1.70
3 Months	6 Months	12	23	3 Months	6 Months	0.59	1.60
6 Months	1.00 YEARS	12	24	6 Months	1.00 YEARS	0.50	1.70
1.00 YEARS	2.00 YEARS	14	30	1.00 YEARS	2.00 YEARS	0.62	2.00
2.00 YEARS	6.00 YEARS	16	30	2.00 YEARS	6.00 YEARS	0.49	1.30
6.00 YEARS	12.00 YEARS	18	35	6.00 YEARS	12.00 YEARS	0.37	1.10

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12.00 YEARS	18.00 YEARS	18	35	12.00 YEARS	18.00 YEARS	0.33	0.92
18.00 YEARS	124.00 YEARS	14	41	18.00 YEARS	124.00 YEARS	0.25	0.95

CD16CD56POS, CD3NEG%				CD16CD56POS, CD3NEG Absolute x 109/L			
Start Age	End Age	Ref Low	Ref High	Start Age	End Age	Ref Low	Ref High
0 Mins	3 Months	4	18	0 Mins	3 Months	0.17	1.10
3 Months	6 Months	3	14	3 Months	6 Months	0.17	0.83
6 Months	1.00 YEARS	3	15	6 Months	1.00 YEARS	0.16	0.95
1.00 YEARS	2.00 YEARS	3	15	1.00 YEARS	2.00 YEARS	0.18	0.92
2.00 YEARS	6.00 YEARS	4	17	2.00 YEARS	6.00 YEARS	0.13	0.72
6.00 YEARS	12.00 YEARS	4	17	6.00 YEARS	12.00 YEARS	0.10	0.48
12.00 YEARS	18.00 YEARS	3	22	12.00 YEARS	18.00 YEARS	0.07	0.48
18.00 YEARS	124.00 YEARS	5	24	18.00 YEARS	124.00 YEARS	0.09	0.44

Shearer et al., Lymphocyte subsets in healthy children from birth to 18 years of age: The Pediatric AIDS Clinical Trials Group P1009 study, J Allergy Clin Immunol, November 2003

Critical Information Required:

HIV status is helpful to interpret results. If known, indicate 'HIV New Case' or 'HIV Follow-up'.

Indicate 'New Case' or 'Follow-up'.

Storage and Shipment:

Specimens are to be shipped/transported within 1 hour of collection to the Flow Cytometry Laboratory at Victoria Hospital at room temperature.

Samples must be received and processed within 48 hours of collection by the Flow Cytometry Laboratory.

Once received by the Flow Cytometry Laboratory, samples are to be stored at **room temperature.**