

Test Changes

Test#	Order Code	Test Description
775	TBSM	T&B CELL QUANTITATION BY FLOW CYTOMETRY

Age-specific reference ranges have been added to the components of this panel. All reference range information is listed below. **Change is effective 4/5/06.**

T & B SURFACE MARKER	(MGHS COMPONENT CODE)
% T-cells (CD3)	%TC
0-2 months: 53-84%	
3-5 months: 51-77%	
6-11 months: 49-76%	
12-23 months: 53-75%	
2-5 years: 56-75%	
6-11 years: 60-76%	
12-17 years: 56-84%	
>=18 years: 65-88%	
% B-cells (CD19)	%BC
0-2 months: 6-32%	
3-5 months: 11-41%	
6-11 months: 14-37%	
12-23 months: 16-35%	
2-5 years: 14-33%	
6-11 years: 13-27%	
12-17 years: 6-23%	
>=18 years: 5-20%	
% Natural killer (CD16+CD56)	%NK
0-2 months: 4-18%	
3-5 months: 3-14%	
6-23 months: 3-15%	
2-11 years: 4-17%	
12-17 years: 3-22%	
>=18 years: 0-21%	
% Helper cells (CD4)	%HC
0-2 months: 35-64%	
3-5 months: 35-56%	
6-11 months: 31-56%	
12-23 months: 32-51%	
2-5 years: 28-47%	
6-11 years: 31-47%	
12-17 years: 31-52%	
>=18 years: 30-61%	
% Suppressor cells (CD8)	%SC
0-2 months: 12-28%	
3-5 months: 12-23%	
6-11 months: 12-24%	
12-23 months: 14-30%	
2-5 years: 16-30%	
6-17 years: 18-35%	
>=18 years: 6-38%	

T & B SURFACE MARKER**(MGHS COMPONENT CODE)****ABSOLUTE COUNTS**

CD45 lymph count, flow: 0.66-4.60 thou/uL

LYCT**T-cells (CD3)****T-C**

0-2 months: 2,500-5,500 cells/uL
3-5 months: 2,500-5,600 cells/uL
6-11 months: 1,900-5,900 cells/uL
12-23 months: 2,100-6,200 cells/uL
2-5 years: 1,400-3,700 cells/uL
6-11 years: 1,200-2,600 cells/uL
12-17 years: 1,000-2,200 cells/uL
> or =18 years: 515-1814 cells/uL

B-cells (CD19)**B-C**

0-2 months: 300-2,000 cells/uL
3-5 months: 430-3,000 cells/uL
6-11 months: 610-2,600 cells/uL
12-23 months: 720-2,600 cells/uL
2-5 years: 390-1,400 cells/uL
6-11 years: 270-860 cells/uL
12-17 years: 110-570 cells/uL
> or =18 years: 55-317 cells/uL

Natural killer (CD16+CD56)**NK**

0-2 months: 170-1,100 cells/uL
3-5 months: 170-830 cells/uL
6-11 months: 160-950 cells/uL
12-23 months: 180-920 cells/uL
2-5 years: 130-720 cells/uL
6-11 years: 100-480 cells/uL
12-17 years: 70-480 cells/uL
> or =18 years: 0-307 cells/uL

Helper cells (CD4)**HC**

0-2 months: 1,600-4,000 cells/uL
3-5 months: 1,800-4,000 cells/uL
6-11 months: 1,400-4,300 cells/uL
12-23 months: 1,300-3,400 cells/uL
2-5 years: 700-2,200 cells/uL
6-11 years: 650-1,500 cells/uL
12-17 years: 530-1,300 cells/uL
> or =18 years: 338-1256 cells/uL

Suppressor cells (CD8)**SCL**

0-2 months: 560-1,700 cells/uL
3-5 months: 590-1,600 cells/uL
6-11 months: 500-1,700 cells/uL
12-23 months: 620-2,000 cells/uL
2-5 years: 490-1,300 cells/uL
6-11 years: 370-1,100 cells/uL
12-17 years: 330-920 cells/uL
> or =18 years: 0-692 cells/uL

LYMPHOCYTE RATIO

H/S ratio: > or = 1.0

H/S