

# **Test Definition: CD4NY**

CD4 Count for Monitoring, New York, Blood

Reporting Title: CD4 T-Cell Count, New York

**Performing Location:** Rochester

## **Specimen Requirements:**

Specimen must arrive within 48 hours of draw. Draw and package specimen as close to shipping time as possible. Ship specimen priority overnight.

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Collection Instructions: Send specimen in original tube. Do not aliquot.

Additional Information:

1. Date of draw is required.

2. For serial monitoring, we recommend that specimen draws be performed at the same time of day.

Specimen Type	Temperature	Time	
Whole Blood EDTA	Ambient	72 hours	

### **Result Codes:**

Result ID	Reporting Name	Туре	Unit	LOINC®
3321	CD45 Lymph Count, Flow	Numeric	thou/mcL	
	Also used by tests: TBNY, TCD4, TBBS, 800295			
3316	% CD3 (T Cells)	Numeric	%	
	Also used by tests: TCD4, 800295, TBBS, TBNY			
3319	% CD4 (Helper Cells)	Numeric	%	
	Also used by tests: TCD4, 800295, TBBS, TBNY			
3320	% CD8 (Supp'r Cells)	Numeric	%	
	Also used by tests: TCD4, 800295, TBNY, TBBS			
3322	CD3 (T Cells)	Numeric	cells/mcL	
	Also used by tests: TCD4, 800295, TBBS, TBNY			
3325	CD4 (Helper Cells)	Numeric	cells/mcL	
	Also used by tests: 800295, TCD4, TBBS, TBNY			
3326	CD8 (Supp'r Cells)	Numeric	cells/mcL	
	Also used by tests: 800295, TCD4, TBBS, TBNY			

# **Test Definition: CD4NY**

CD4 Count for Monitoring, New York, Blood

Result ID	Reporting Name	Туре	Unit	LOINC®
3327	H/S Ratio	Numeric		
	Also used by tests: 800295, TCD4, TBNY, TBBS			
28358	Reviewed by	Alphanumeric		

### **Components:**

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	T-cells total count	1	86359		
Billing only	Absolute CD4/CD8 Count	1	86360		

#### Reference Values:

T & B SURFACE MARKER

% T cells (CD3)

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%\*

18-55 years: 59-83%

>55 years: 49-87%

% Helper cells (CD4) 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%\*

18-55 years: 31-59%

>55 years: 32-67%

% Suppressor cells (CD8)

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%\*

18-55 years: 12-38%

>55 years: 8-40%



## **Test Definition: CD4NY**

CD4 Count for Monitoring, New York, Blood

#### ABSOLUTE COUNTS

CD45 Lymph Count, Flow: 0-17 years: 0.66-4.60 thou/mcL 18-55 years: 0.99-3.15 thou/mcL >55 years: 1.00-3.33 thou/mcL

T cells (CD3)

0-2 months: 2,500-5,500 cells/mcL\*
3-5 months: 2,500-5,600 cells/mcL\*
6-11 months: 1,900-5,900 cells/mcL\*
12-23 months: 2,100-6,200 cells/mcL\*
2-5 years: 1,400-3,700 cells/mcL\*
6-11 years: 1,200-2,600 cells/mcL\*
12-17 years: 1,000-2,200 cells/mcL\*
18-55 years: 677-2383 cells/mcL
>55 years: 617-2254 cells/mcL

Helper Cells (CD4)

0-2 months: 1,600-4,000 cells/mcL\*
3-5 months: 1,800-4,000 cells/mcL\*
6-11 months: 1,400-4,300 cells/mcL\*
12-23 months: 1,300-3,400 cells/mcL\*
2-5 years: 700-2,200 cells/mcL\*
6-11 years: 650-1,500 cells/mcL\*
12-17 years: 530-1,300 cells/mcL\*
18-55 years: 424-1,509 cells/mcL
>55 years: 430-1,513 cells/mcL
Suppressor Cells (CD8)

0-2 months: 560-1,700 cells/mcL\*
3-5 months: 590-1,600 cells/mcL\*
6-11 months: 500-1,700 cells/mcL\*
12-23 months: 620-2,000 cells/mcL\*
2-5 years: 490-1,300 cells/mcL\*
6-11 years: 370-1,100 cells/mcL\*
12-17 years: 330-920 cells/mcL\*
18-55 years: 169-955 cells/mcL
>55 years: 101-839 cells/mcL

LYMPHOCYTE RATIO H/S ratio: > or =1.0

\*Shearer WT, Rosenblatt HM, Gelman RS, et al: Lymphocyte subsets in healthy children from birth through 18 years of age: The Pediatric AIDS Clinical Trials Group P1009 study. J Allergy Clin Immunol 2003;112(5):973-980