

Pathology Test Change Notification

t 901.595.3530 f 901.595.3100

CD4, Lymphocyte Subset Study, Lymphocyte Subset w/ RARO

Effective Date: 08/15/2023

Test Change Notification Date: 08/14/2023

Notification sent by: Randall Hayden, MD

Groups Notified: All Clinical Providers, Pathology, Epic Applications Managers, Epic Beaker Team

Details of Change

As of Tuesday, August 15th, there will be changes in immunopathology test reporting. Currently, CD4, Lymph Subset, and Extended Lymphocyte RARO absolute values are reported in exponential format. Going forward, these will be changed to whole numbers to align more directly with industry standards.

CURRENT REPORT (CD4 and Lymph Subset)

ABSOLUTE VALUE

Subset/Markers	Result	Range*	Interp
B cells	0.34	(0.10-0.77)	Normal
T cells	1.35	(0.90-3.55)	Normal
NK cells	0.48	(0.05-0.44)	High
Helper/Inducer (CD4+)	0.69	(0.45-2.50)	Normal
Suppressor/Cytotoxic (CD8+)	0.58	(0.21-1.30)	Normal

NEW REPORT – SAME PATIENT

ABSOLUTE VALUE

Subset/Markers	Result	Range*	Interp
B cells	331	(100-770)	Normal
T cells	1338	(900-3550)	Normal
NK cells	488	(50-440)	High
Helper/Inducer (CD4+)	683	(450-2500)	Normal
Suppressor/Cytotoxic (CD8+)	574	(210-1300)	Normal

CURRENT REPORT (RARO)

ABSOLUTE VALUE

Subset/Markers	Result	Range*	Interp
B cells	0.69	(0.10-1.62)	Normal
T cells	0.32	(0.90-3.70)	Low
NK cells	0.08	(0.10-0.75)	Low
Helper/Inducer (CD4+)	0.13	(0.55-2.15)	Low
Suppressor/Cytotoxic (CD8+)	0.16	(0.20-1.40)	Low
TCR-ab+** % of CD3+ cells	0.28		
TCR-gd+** % of CD3+ cells	0.02		
RA-/RO+** % of TCR-ab+ cells	0.25		
RA+/RO+** % of TCR-ab+ cells	0.03		
RA+/RO-** % of TCR-ab+ cells	0.01		

NEW REPORT – SAME PATIENT

ABSOLUTE VALUE

Subset/Markers	Result	Range*	Interp
B cells	700	(100-1620)	Normal
T cells	319	(900-3700)	Low
NK cells	79	(100-750)	Low
Helper/Inducer (CD4+)	129	(550-2150)	Low
Suppressor/Cytotoxic (CD8+)	163	(200-1400)	Low
TCR-ab+** % of CD3+ cells	287		
TCR-gd+** % of CD3+ cells	22		
RA-/RO+** % of TCR-ab+ cells	256		
RA+/RO+** % of TCR-ab+ cells	23		
RA+/RO-** % of TCR-ab+ cells	9		

In addition, there will be a slight change in the nomenclature of some markers in the final report.

Before Change	After Change
CD3+,CD4+ (Helper T)(%)	CD3+,CD4+ (Helper T)(%)
CD3+, CD4+ Absolute	CD3+, CD4+ Absolute
CD19 (Pan-B) (%)	CD19 (Pan-B) (%)
CD19 Absolute	CD19 Absolute
CD3 (Mature T) (%)	CD3 (Pan-T) (%)
CD3 Absolute	CD3 Absolute
CD3-,CD56+/CD16+ (NK) (%)	CD3-,CD56+/CD16+ (NK) (%)
CD3-, CD56+/CD16+ Absolute	CD3-, CD56+/CD16+ Absolute
CD3+,CD8+ (Suppressor T) (%)	CD3+,CD8+ (Cytotoxic T) (%)
CD3+,CD8+ Absolute	CD3+,CD8+ Absolute
CD4:CD8 Ratio	CD4:CD8 Ratio
Absolute Lymphocytes	Absolute Lymphocytes
T/B Lymphocyte Subset Comment	T/B Lymphocyte Subset Comment