Test Definition: TCMPF

T- and B-Cell Quantitation and Lymphocyte Proliferation to Mitogens Panel

Reporting Title: T-Cell with Mitogen Panel
Performing Location: Rochester

Specimen Requirements:

Send specimens Sunday through Thursday only. Specimens must arrive within 24 hours of draw and by 10 a.m. on Friday. Draw and package specimens as close to shipping time as possible. Ship specimen overnight in an Ambient Mailer-Critical Specimens Only (Supply T668).

Date and time of draw and ordering physician's name and phone number are required.

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

Two separate specimens are required.

Specimen Type: EDTA whole blood
Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions: Send specimen in original tube. Do not aliquot.

Specimen Type: Sodium heparin whole blood
Container/Tube: Green top (sodium heparin)
Specimen Volume:
<3 months: 1 mL
3 months-5 years: 2 mL
6-18 years: 3 mL
>18 years: 10 mL
Collection Instructions: Send specimen in original tube. Do not aliquot.

Specimen Type	Temperature	Time
WB Sodium Heparin	Ambient	48 hours
Whole Blood EDTA	Ambient	48 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
9336	T-and B-Cell QN by Flow Cytometry(TBBS_) **Also used by tests: TBNY, TBBS**	Alphanumeric		In Process
3321	CD45 Lymph Count, Flow **Also used by tests: TCD4, 800295, TBNY, TBBS, CD4NY**	Numeric	thou/mcL	27071-0

Result ID	Reporting Name	Type	Unit	LOINC®
3316	% CD3 (T Cells) **Also used by tests: TCD4, 800295, TBNY, CD4NY, TBBS**	Numeric	%	8124-0
3318	% CD19 (B Cells) **Also used by tests: 800295, TBNY, TBBS**	Numeric	%	8117-4
4054	% CD16+CD56 (NK cells) **Also used by tests: 800295, TBNY, TBBS**	Numeric	%	18267-5
3319	% CD4 (Helper Cells) **Also used by tests: 800295, CD4NY, TBNY, TCD4, TBBS**	Numeric	%	8128-1
3320	% CD8 (Supp'r Cells) **Also used by tests: 800295, CD4NY, TBNY, TCD4, TBBS**	Numeric	%	8138-0
3322	CD3 (T Cells) **Also used by tests: CD4NY, TBNY, TCD4, 800295, TBBS**	Numeric	cells/mcL	8122-4
3324	CD19 (B Cells) **Also used by tests: TBNY, 800295, TBBS**	Numeric	cells/mcL	8116-6
4055	CD16+CD56 (NK cells) **Also used by tests: TBNY, 800295, TBBS**	Numeric	cells/mcL	20402-4
3325	CD4 (Helper Cells) **Also used by tests: TCD4, CD4NY, TBNY, 800295, TBBS**	Numeric	cells/mcL	8127-3
3326	CD8 (Supp'r Cells) **Also used by tests: 800295, CD4NY, TCD4, TBNY, TBBS**	Numeric	cells/mcL	8137-2
3327	H/S Ratio **Also used by tests: TCD4, 800295, CD4NY, TBNY, TBBS**	Numeric		8129-9
6657	Comment **Also used by tests: TBBS, TBNY, 800295**	Alphanumeric		48767-8
32317	Interpretation **Also used by tests: LPMGF**	Alphanumeric		69052-9

Result ID	Reporting Name	Type	Unit	LOINC®
32318	Viab of Lymphs at Day 0 **Also used by tests: LPMGF**	Numeric	%	In Process
32321	Max Prolif of PWM as % CD45 **Also used by tests: LPMGF**	Alphanumeric	%	In Process
32322	Max Prolif of PWM as % CD3 **Also used by tests: LPMGF**	Alphanumeric	%	In Process
32323	Max Prolif of PWM as % CD19 **Also used by tests: LPMGF**	Alphanumeric	%	In Process
32319	Max Prolif of PHA as % CD45 **Also used by tests: LPMGF**	Alphanumeric	%	In Process
32320	Max Prolif of PHA as % CD3 **Also used by tests: LPMGF**	Alphanumeric	%	57741-1
32324	Mitogen Comment **Also used by tests: LPMGF**	Alphanumeric		48767-8

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Absolute CD4/CD8 Count	1	86360		
Billing only	B cells, total count	1	86355		
Billing only	T-cells total count	1	86359		
Billing only	Natural killer cells	1	86357		
TBBS	T- and B-Cell QN by Flow Cytometry		Profile	Yes	Yes
LPMGF	Lymphocyte Proliferation, Mitogens	1	86353	Yes	Yes

Reference Values:

The appropriate age-related reference values will be provided on the report.