
Reporting Title: CD8 Immune Competence Panel**Performing Location:** Rochester**Ordering Guidance:**

This test requires multiple whole blood specimens to perform all testing. If only one whole blood specimen type is received, only the testing associated with that specimen type will be performed. Be advised that this may change the degree of interpretation received with the report.

Shipping Instructions:

Specimens are required to be received in the laboratory weekdays and by 4 p.m. on Friday. Collect and package specimens as close to shipping time as possible. Ship specimens overnight in an Ambient Shipping Box-Critical Specimens Only (T668) following the instructions in the mailer.

It is recommended that specimens arrive within 24 hours of collection.

Samples arriving on the weekend and observed holidays may be canceled.

Necessary Information:

Date of collection is required.

Specimen Requirements:

Two separate whole blood specimens, EDTA and (possibly 2 tubes) sodium heparin, are required. For serial monitoring, it is recommended that specimens are collected at the same time of day.

Supplies: Ambient Shipping Box-Critical Specimens Only (T668)

Specimen Type: EDTA whole blood

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Collection Instructions:

1. Send whole blood specimen in original tube. Do not aliquot.
2. Label specimen as whole blood for TBBS / Quantitative Lymphocyte Subsets: T, B, and Natural Killer (NK) Cells, Blood

Specimen Type: Sodium heparin whole blood

Container/Tube: Green top (sodium heparin)

Specimen Volume: 15 mL

Collection Instructions:

1. Send whole blood specimen in original tube. Do not aliquot.
2. Label specimen as whole blood for GLIC / CD8 T-Cell Immune Competence, Global, Blood

Specimen Minimum Volume:

Sodium heparin whole blood: 10 mL
 EDTA whole blood: 1 mL

Specimen Type	Temperature	Time	Special Container
WB Sodium Heparin	Ambient	48 hours	GREEN TOP/HEP
Whole Blood EDTA	Ambient	52 hours	PURPLE OR PINK TOP/EDTA

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
3321	CD45 Total Lymph Count Also used by tests: TCD4, CD4NY, TBNY, TBBS	Unknown	thou/mcL	27071-0
3316	% CD3 (T Cells) Also used by tests: TBBS, TBNY, TCD4, CD4NY	Unknown	%	8124-0
3322	CD3 (T Cells) Also used by tests: TBNY, TBBS, TCD4, CD4NY	Unknown	cells/mcL	8122-4
3319	% CD4 (T Cells) Also used by tests: TBBS, TBNY, TCD4, CD4NY	Unknown	%	8123-2
3325	CD4 (T Cells) Also used by tests: TBBS, CD4NY, TCD4, TBNY	Unknown	cells/mcL	24467-3
3320	% CD8 (T Cells) Also used by tests: TBBS, CD4NY, TCD4, TBNY	Unknown	%	8101-8
3326	CD8 (T Cells) Also used by tests: TCD4, CD4NY, TBNY, TBBS	Unknown	cells/mcL	14135-8
3318	% CD19 (B Cells) Also used by tests: TBBS, TBNY	Unknown	%	8117-4
3324	CD19 (B Cells) Also used by tests: TBBS, TBNY	Unknown	cells/mcL	8116-6
4054	% CD16+CD56 (NK cells) Also used by tests: TBBS, TBNY	Unknown	%	8112-5
4055	CD16+CD56 (NK cells) Also used by tests: TBBS, TBNY	Unknown	cells/mcL	20402-4

Result ID	Reporting Name	Type	Unit	LOINC®
3327	4/8 Ratio Also used by tests: TCD4, TBNY, CD4NY, TBBS	Unknown		54218-3
6657	Comment Also used by tests: TBBS, TBNY	Alphanumeric		80722-2
30643	IFN-g Also used by tests: GLIC	Alphanumeric	% CD8 T-Cells	95204-4
30644	CD107a/b Also used by tests: GLIC	Alphanumeric	% CD8 T-Cells	95203-6
30645	Interpretation Also used by tests: GLIC	Alphanumeric		69052-9

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
TBBS	QN Lymphocyte Subsets: T, B, and NK			Yes	Yes
GLIC	CD8 Immune Competence, B			Yes	Yes

CPT Code Information:

86355-B cells, total count
86357-Natural killer (NK) cells, total count
86359-T cells, total count
86360-Absolute CD4/CD8 count with ratio
86356 x 2

Reference Values:

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