Reporting Title: N.K. Cytotoxicity Profile
Performing Location: Rochester

Specimen Requirements:

Specimens must arrive within 24 hours of draw. Specimens must arrive in the testing laboratory weekdays by 2 p.m.; there is no weekend processing. 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.

Note: The MML Expedite procedure is recommended to ensure specimens are processed as quickly as possible once received at Mayo Medical Laboratories. Contact 800-533-1710 to add this procedure to your order. A nominal fee will be charged.

Three separate specimens (a whole blood EDTA specimen and a whole blood sodium heparin specimen in addition to a control specimen) are required.

Patient
Specimen Type: Whole blood
Container/Tube: Green top (sodium heparin)
Specimen Volume: 10 mL
Collection Instructions:
1. Send specimen in original tube. Do not aliquot.
2. Label specimen as blood for NKC/81733 Natural Killer Cell Cytotoxicity.

Specimen Type: Whole blood
Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions:
1. Send specimen in original tube. Do not aliquot.
2. Label specimen as blood for TBBS/9336 T- and B-Cell Quantitation by Flow Cytometry.

Normal Control
Specimen Type: Whole blood Container/Tube: Green top (sodium heparin)
Specimen Volume: 10 mL
Collection Instructions:
1. Draw a control blood from a normal (healthy), unrelated person at the same time as the patient.
2. Label clearly on outermost label normal control.
3. Send specimen in original tube. Do not aliquot.
4. Rubberband with patient specimen.

Specimen Type	Temperature	Time
Control	Ambient	24 hours
WB Sodium Heparin	Ambient	24 hours

Whole Blood EDTA	Ambient	52 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
15253	% Cyto. E:T 100	Numeric	%	In Process
15255	% Cyto. E:T 50	Numeric	%	In Process
15257	% Cyto. E:T 25	Numeric	%	In Process
15259	% Cyto. E:T 12.5	Numeric	%	In Process
15261	% Cyto. E:T 6.25	Numeric	%	In Process
15263	% Cyto. E:T 3.13	Numeric	%	In Process
15265	Lytic Units	Numeric		In Process
15266	Comment	Alphanumeric		48767-8
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: CD4NY, TBNY, TCD4, TBBS**	Numeric	thou/mcL	27071-0
3316	% CD3 (T Cells) **Also used by tests: CD4NY, TBNY, TCD4, TBBS**	Numeric	%	8124-0
3318	% CD19 (B Cells) **Also used by tests: TBNY, TBBS**	Numeric	%	8117-4
4054	% CD16+CD56 (NK cells) **Also used by tests: TBNY, TBBS**	Numeric	%	18267-5
3319	% CD4 (Helper Cells) **Also used by tests: CD4NY, TCD4, TBNY, TBBS**	Numeric	%	8123-2
3320	% CD8 (Supp'r Cells) **Also used by tests: CD4NY, TCD4, TBNY, TBBS**	Numeric	%	8101-8
3322	CD3 (T Cells) **Also used by tests: TCD4, CD4NY, TBNY, TBBS**	Numeric	cells/mcL	8122-4
3324	CD19 (B Cells) **Also used by tests: TBNY, TBBS**	Numeric	cells/mcL	8116-6

Result ID	Reporting Name	Type	Unit	LOINC®
4055	CD16+CD56 (NK cells) **Also used by tests: TBNY, TBBS**	Numeric	cells/mcL	20402-4
3325	CD4 (Helper Cells) **Also used by tests: CD4NY, TCD4, TBNY, TBBS**	Numeric	cells/mcL	24467-3
3326	CD8 (Supp'r Cells) **Also used by tests: CD4NY, TCD4, TBNY, TBBS**	Numeric	cells/mcL	14135-8
3327	H/S Ratio **Also used by tests: CD4NY, TBBS, TCD4, TBNY**	Numeric		54218-3
6657	Comment **Also used by tests: TBNY, TBBS**	Alphanumeric		48767-8

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	N.K. Cytotoxicity	1	86805		
Billing only	B cells, total count	1	86355		
Billing only	Absolute CD4/CD8 Count	1	86360		
Billing only	Natural killer cells	1	86357		
Billing only	T-cells total count	1	86359		
NKC1	N.K. Cytotoxicity Result			Yes	No
NKC2	NKC Control Tube			Yes	No
TBBS	T- and B-Cell QN by Flow Cytometry		Profile	Yes	Yes

Reference Values:

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