MAYO CLINIC
Mayo Medical Laboratories

1-800-533-1710

NKCP

Natural Killer (NK) Cytotoxicity Profile

Patient ID	Patient Name		Birth Date	Gender	Age
SA00056606	SAMPLEREPORT, NKCP		1966-06-10	F	46
Order Number	**Client Order Number**	**Ordering Physician**	**Report Notes**		
SA00056606	SA00056606	Client, Client			
Account Information		**Collected**			
C7028846 DLMP Rochester		16 Apr 2013 08:07			

N.K. Cytotoxicity Profile

N.K. Cytotoxicity Result

% Cyto. E:T 100 MCR
52 %

% Cyto. E:T 50 MCR
46 %

% Cyto. E:T 25 MCR
30 %

% Cyto. E:T 12.5 MCR
19 %

% Cyto. E:T 6.25 MCR
10 %

% Cyto. E:T 3.13 MCR
5 %

NKC Control Tube

Comment MCR

Normal NK cytotoxic function with normal NK cell absolute counts in whole blood.

ADDITIONAL INFORMATION

Lytic activity diminishes with time in heparinized blood specimens regardless of storage conditions. Specimens >24 hours old may yield falsely low results. Approximately 25% of healthy individuals present with abnormally decreased NK lytic activity. At least 3 consecutive results of reduced NK cytotoxic function over a period of approximately 3 months is required before a definitive assessment of impaired NK cytotoxicity can be attributed to a patient. Clinical correlation recommended.

T- and B-Cell QN by Flow Cytometry

CD45 Lymph Count, Flow MCR
2.06 thou/mcL
Reference Value 0.82–2.84

% CD3 (T Cells) MCR
69 %
Reference Value 58–86

% CD19 (B Cells) MCR
16 %
Reference Value 6–24

% CD16+CD56 (NK cells) MCR
14 %
Reference Value 4–28

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905

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% CD4 (Helper Cells) — MCR
50 %
Reference Value 32–64

% CD8 (Supp'r Cells) — MCR
18 %
Reference Value 13–40

CD3 (T Cells) — MCR
1417 cells/mcL
Reference Value 550–2202

CD19 (B Cells) — MCR
336 cells/mcL
Reference Value 70–409

CD16+CD56 (NK cells) — MCR
293 cells/mcL
Reference Value 59–513

CD4 (Helper Cells) — MCR
1041 cells/mcL
Reference Value 365–1437

CD8 (Supp'r Cells) — MCR
364 cells/mcL
Reference Value 145–846

H/S Ratio — [1] MCR
2.9
Reference Value ≥0.9

Received: 16 Apr 2013 08:14 **Reported:** 22 Apr 2013 16:10

Laboratory Notes

[1] Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905