

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.

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Product: **NMS**

Catalog # **NMS Lot #**

Exp. Date:

Description: Normal Mouse (CD-1) Serum (mixed gender)

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	≥ 30 mg/mL employing an extinction coefficient of $E^{1\%/280\text{nm}} = 10$	49 mg/mL
FILL VOLUME	1.0 – 1.2 mL	1.05 mL
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
AP50 FUNCTIONAL ACTIVITY*	Titer: ≥ 40 AP50 Units/ml	58 Units/ml
CH50 FUNCTIONAL ACTIVITY** without MCAR***	Titer: ≥ 1.0 CH50 Units/ml	1.8 Units/ml
CH50 FUNCTIONAL ACTIVITY with 15 μl MCAR	Titer: ≥ 1.0 CH50 Units/ml	7.5 Units/ml

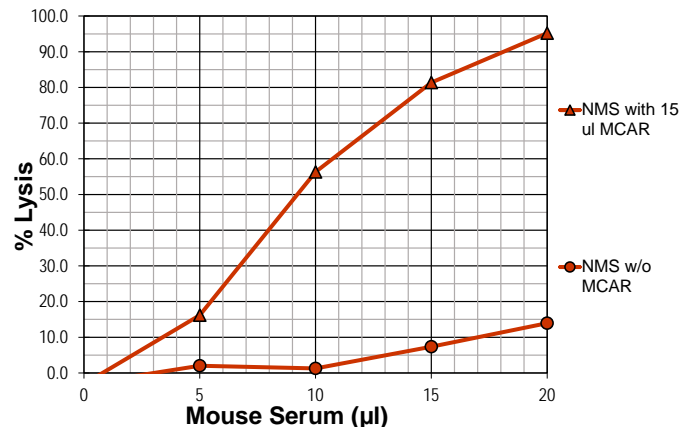
* One unit of whole alternative pathway activity (APH50) is defined as the input of Normal Mouse Serum yielding 50% lysis of 1.5×10^7 rabbit erythrocytes (Er) when incubated for 30 minutes at 37°C in a total reaction volume of 100 μl GVB^o containing a final Mg-EGTA concentration of 5 mM.

** One CH50 unit is defined as the input of Normal Mouse Serum yielding 50% lysis of 1×10^8 EA when incubated for 30 minutes at 37 °C in a total reaction volume of 1.5 mL GVB⁺⁺.

*** MCAR (Mouse Complement Assay Reagent) sensitizes sheep erythrocytes for activation of mouse complement classical pathway and must be titrated with each mouse serum sample used.

**Store at -70°C or below. Avoid Repeated Freeze/Thaw
Thaw quickly at 37°C, mix, and put in an ice+water bath to cool.**

FOR RESEARCH USE ONLY - NOT FOR HUMAN OR DRUG USE



Signature of Analyst

Date of Analysis