

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.

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Tyler, Texas 75703, USA

Product: **NMS (B6)**

Catalog # **NMS (B6)** Lot #

Exp. Date:

Description: Normal Mouse (C57BL/6NTac) Serum (mixed gender)

Specifications

Limits

Results

PROTEIN CONCENTRATION

≥ 30 mg/mL employing
an extinction coefficient
of $E^{1\%}_{280\text{nm}} = 10$

51 mg/mL

FILL VOLUME

1.0 – 1.2 mL

1.02 mL

PRESERVATIVE

None, filtered through a
0.22 μm pore size filter.

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0.22 μm pore size filter.

AP50 FUNCTIONAL ACTIVITY*

Titer: ≥ 40 AP50 Units/ml

56 Units/ml

CH50 FUNCTIONAL ACTIVITY**
without MCAR***

Titer: ≥ 1.0 CH50 Units/ml

1.0 Units/ml

CH50 FUNCTIONAL ACTIVITY
with 15 μL MCAR

Titer: ≥ 1.0 CH50 Units/ml

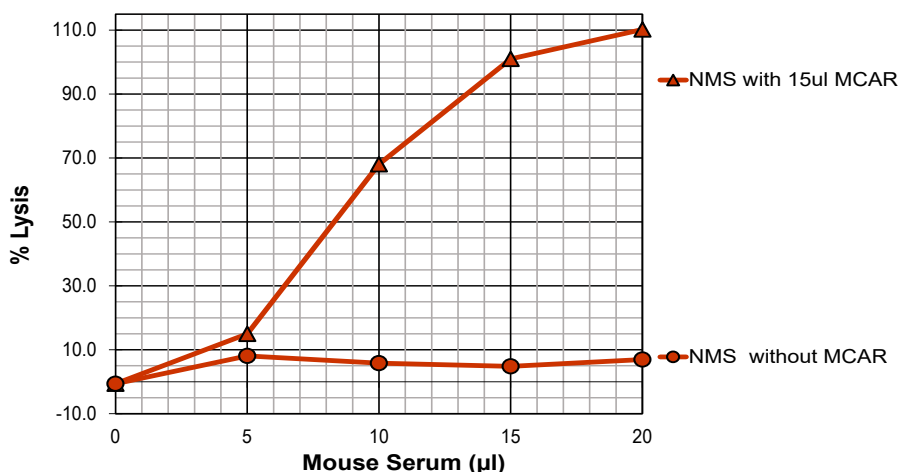
8.3 Units/ml

* 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
FOR RESEARCH USE ONLY - NOT FOR HUMAN OR DRUG USE



Signature of Analyst

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Date of Analysis