

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.

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Tyler, Texas 75703, USA

Product: **C4-Deficient Guinea Pig Serum**Catalog # **A305** Lot #

Exp. Date:

Description: C4-deficient guinea pig serum from genetically deficient animals

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	≥ 30 mg/mL.employing an extinction coefficient of $E^{1\%/280\text{nm}} = 10$	39 mg/ml
FILL VOLUME	1.0 – 1.2 mL	1.1 mL
PHYSICAL APPEARANCE	Clear, amber to pink colored	Conforms
PRESERVATIVE	None, filtered through 0.22 μ pore size filter	None, filtered through 0.22 μ pore size filter
CLASSICAL PATHWAY ACTIVITY*		
Recommended volume of C4-D serum per assay	20 μ L or less	7 μ L
C4H50 units/mL NHS Complement Standard at the recommended input Of C4-D	$\geq 120,000$ C4H50 U/mL	500,000 U/mL
C4H50 units/mg purified C4 at the recommended input of C4-D	$\geq 300,000$ C4H50 units/mg C4	1,563,000 U/mg
Background A_{412} nm reading of EA blank reaction mixture at the recommended input of C4-D serum	≤ 0.100	0.039

*One C4H50 unit measured by classical pathway activation is defined as the amount of C4 required to yield 50% lysis of 3×10^7 EA when incubated in the presence of the recommended volume of C4-D serum for 30 minutes at 37 °C in a total reaction volume of 500 μ L GVB⁺⁺.

STORE AT -70°C or BELOW.**Thaw quickly at 37°C, mix, and put in an ice+water bath to cool.****Avoid Repeated Freeze/Thaw****FOR RESEARCH USE ONLY
NOT FOR HUMAN OR DRUG USE**

Signature of Analyst

Date of Analysis

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