

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.
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Tyler, Texas 75703, USA

Product: **C3**
Catalog # **A113** Lot #
Exp. Date:

Description: Purified Human Complement Protein C3

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	1.0 – 1.2 mg/mL. C3 has an extinction coefficient of $E^{1\%}_{280nm} = 10.3$	1.14 mg/ml
FILL VOLUME	0.250 - 0.275 mL	0.260 mL
BUFFER	Phosphate buffered saline	Phosphate buffered saline
PRESERVATIVE	None, filtered through a 0.22 μ m pore size filter.	None, filtered through a 0.22 μ m pore size filter.
PURITY	> 85%	\geq 93% by SDS-PAGE
FUNCTIONAL ACTIVITY	Titer \geq 3,000 C3H50/mg \geq 60% of C3 activity in NHS on a mg/mg basis	14,300 U/mg 92%
PRESENCE OF OTHER FUNCTIONALLY ACTIVE COMPLEMENT COMPONENTS	\leq trace amounts (\leq 0.1%) of functionally active C5	No C5 detectable
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	\leq trace amounts of IgG, IgA, IgM, albumin, C4, Factor B, Factor H, Factor I or Ceruloplasmin	Conforms
HUMAN SERUM/PLASMA STARTING MATERIAL		
HBsAg 3.0	Negative	Negative
Anti-HBc	Negative	Negative
Anti-HIV 1 and 2 Plus O	Negative	Negative
Anti-HCV 3.0	Negative	Negative
Anti-Syphilis	Negative	Negative
HIV-1/HCV/HBV/Zika by NAT	Negative	Negative
HTLV 1 and 2	Negative	Negative
West Nile Virus (WNV) RNA by NAT	Negative	Negative

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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