

# CERTIFICATE OF ANALYSIS

**Complement Technology, Inc.**  
4801 Troup Hwy, Suite 701  
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 $E^{1\%}_{280\text{nm}} = 10.3$	1.14 mg/ml
FILL VOLUME	0.250 - 0.275 mL	0.260 mL
BUFFER	Phosphate buffered saline, pH 7.2	Phosphate buffered saline
PRESERVATIVE	None, filtered through a 0.22 $\mu\text{m}$ pore size filter.	None, filtered through a 0.22 $\mu\text{m}$ 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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