

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.

4801 Troup Hwy, Suite 701

Tyler, Texas 75703, USA

Product: **C3**

Catalog # **A113c** Lot #

Exp. Date:

Description: Purified Human Complement Protein C3

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	5.0 – 5.2 mg/mL. C3 has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 10.3$	5.0 mg/mL
FILL VOLUME	0.200 – 0.220 mL	0.220 mL
BUFFER	Phosphate buffered saline	Phosphate buffered saline
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
PURITY	> 85%	≥ 95% by SDS-PAGE
FUNCTIONAL ACTIVITY	Titer ≥ 3000 C3H50/mg ≥ 60% of C3 activity in NHS on a mg/mg basis	16,700 U/mg 98%
PRESENCE OF OTHER FUNCTIONALLY ACTIVE COMPLEMENT COMPONENTS	≤ trace amounts (≤0.1%) of functionally active C5	No C5 detectable
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	≤ 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 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.

For Maximum Activity: Thaw Quickly at 37°; Keep on Ice; Do Not Refreeze.

FOR RESEARCH USE ONLY
NOT FOR HUMAN OR DRUG USE

Signature of Analyst

Date of Analysis

Phone: 1-903-581-8284 FAX: 1-903-581-0491 Email: contactCTI@aol.com

Web Site: www.ComplementTech.com