

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.
4801 Troup Hwy, Suite 701
Tyler, Texas 75703, USA

Product: **C4**
Catalog # **A105 Lot #**
Exp. Date:

Description: Purified Human Complement Protein C4

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	1.0 – 1.2 mg/mL. C4 has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 10.3$	1.0 mg/mL
FILL VOLUME	0.250 - 0.275 mL	0.260 mL
BUFFER	Phosphate buffered saline, pH 7.2	Phosphate buffered saline, pH 7.2
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
PURITY	> 90%	> 95% by SDS-PAGE
FUNCTIONAL ACTIVITY	Titer with C4 deficient g.p. serum > 300,000 C4H50/mg \leq 2.5ng C4 to yield 1 C4H50 Titer with Human C4 depleted serum > 160,000 C4H50/mg \leq 10ng C4 to yield 1 C4H50 \geq 40% of C4 activity in NHS on a mg/mg basis	515,000 U/mg 1.9 ng 589,000 U/mg 1.7 ng 100%
PRESENCE OF OTHER FUNCTIONALLY ACTIVE COMPLEMENT COMPONENTS	\leq trace amounts (\leq 0.1%) of functionally active C3	Conforms
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	\leq trace amounts of IgG, IgA, IgM, albumin, C1s, C3, Factor B, Factor H, C4BP, or ceruloplasmin	Conforms
HUMAN SERUM/PLASMA - STARTING MATERIAL		
HBsAg 3.0	Negative	Negative
Anti-HIV 1 and 2 Plus O	Negative	Negative
Anti-HCV 3.0	Negative	Negative
HIV-1/HCV/HBV by NAT	Negative	Negative
West Nile Virus (WNV) by NAT	Negative	Negative
Anti-Syphilis	Negative	Negative
Anti-HTLV I/II	Negative	Negative
Anti-HBc	Negative	Negative

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

Signature of Analyst

Date of Analysis