

CERTIFICATE OF ANALYSIS

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

Product: **C5 Protein**
Catalog # **A120** Lot #
Exp. Date:

Description: C5 Purified Human Complement Protein

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL. C5 has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 10.3$	1.11 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%	\geq 95% by SDS PAGE
FUNCTIONAL ACTIVITY	Titer >100,000 C5H50 U/mg >60% of C5 activity in NHS on a mg/mg basis. \leq 10 ng C5 to yield 1 C5H50 unit at the recommended input of C5-dpl	750,800 Units/mg 90% 1.33 ng
PRESENCE OF OTHER FUNCTIONALLY ACTIVE COMPLEMENT COMPONENTS	\leq trace amounts (\leq 1.0%) of functionally active C3, C6, C7, C8, or C9	Conforms
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	\leq trace amounts of IgG, IgA, IgM albumin, C3, or ceruloplasmin	Conforms
<u>STARTING MATERIAL:</u> HUMAN SERUM/PLASMA		
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.
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