

# CERTIFICATE OF ANALYSIS

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

**Product: C1q Protein**  
Catalog # **A100** Lot #  
Exp. Date:

**Description:** Purified Human Complement Protein C1q

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL C1q C1q has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 6.8$	1.1 mg/mL
FILL VOLUME	1.0 – 1.2 mL	1.05 mL
BUFFER	10 mM HEPES, 300 mM NaCl, 40% Glycerol. pH 7.2	10 mM HEPES, 300 mM NaCl, 40% Glycerol. pH 7.2
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	$\geq 95\%$	$\geq 95\%$ by SDS PAGE
FUNCTIONAL ACTIVITY	Titer $\geq 150,000$ C1qH50 Units/mg.  $\geq 70\%$ of C1q activity in NHS on a mg/mg basis	421,000 U/mg  75%
IMMUNOCHEMISTRY	$<$ trace amounts of IgG, IgA, IgM, albumin, C3, C4, fibrinogen, or alpha-2-macroglobulin	Conforms
HUMAN SERUM/PLASMA STARTING MATERIAL		
HBsAg	Negative	Negative
ANTI-HIV 1 & 2 Plus O	Negative	Negative
ANTI-HCV	Negative	Negative
HCV by NAT	Negative	Negative
HIV by NAT	Negative	Negative
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**

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Signature of Analyst

\_\_\_\_\_  
Date of Analysis