

# CERTIFICATE OF ANALYSIS

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

**Product: C5b,6 Complex**  
Catalog # **A122** Lot #  
Exp. Date:

Description: C5b,6 Complex, Purified Human Complement Protein

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.15 – 0.25 mg/mL. C5b,6 has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 10.5$	0.20 mg/mL
FILL VOLUME	0.250 – 0.275 mL	0.260 mL
BUFFER	10 mM HEPES, 120 mM NaCl, pH 7.2	Conforms
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	> 90%	$\geq$ 98% by SDS PAGE
FUNCTIONAL ACTIVITY*	Titer >2,000 C5b,6H50 U/mg	26,600 Units/mg
	$\leq$ 500 ng C5b,6 to yield 1 C5b,6H50 unit	38 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
HUMAN SERUM/PLASMA STARTING MATERIAL		
ANTI-HIV-1/2 ANTIBODIES	Negative	Negative
ANTI-HCV ANTIBODIES	Negative	Negative
HBsAg	Negative	Negative
HTLV-1/2	Negative	Negative
STS	Negative	Negative

\*One C5b,6H50 unit is defined as the amount of C5b,6 complex required to yield 50% lysis of  $1.5 \times 10^7$  sheep erythrocytes when incubated for 30 minutes at 37°C in a total reaction volume of 75  $\mu\text{l}$  GVBE (10 mM EDTA) containing 500 ng C7, 500 ng C8, and 1000 ng C9.

**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

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Date of Analysis