CERTIFICATE OF ANALYSIS

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

Product: **C1-INH Dpl**
Catalog #: **A440 Lot #**
Exp. Date:

Description: Complement C1-INH Depleted Human Serum

Specifications	**Limits**	**Results**
PROTEIN CONCENTRATION	50 – 75 mg/mL	68 mg/mL
FILL VOLUME	0.250 – 0.260 mL	0.255 mL
PRESERVATIVE	None, filtered through a 0.22 µm pore size filter.	None, filtered through a 0.22 µm pore size filter.
CLASSICAL PATHWAY (CP) FUNCTIONAL ACTIVITY (CH50)*		
CH50/mL NHS Complement Standard	Titer: > 75 CH50 Units/ml*	200 Units/ml
CH50/mL C1-INH-Dpl	Titer: ≤ 1 CH50 Units/ml*	Conforms
ALTERNATIVE PATHWAY (AP) FUNCTIONAL ACTIVITY (AP50)**		
APH50/mL NHS Complement Standard	≥ 70 APH50 Units/mL	154 APH50
AP50/mL C1-INH-Dpl	≥ 70 AP50 Units/ml**	154 AP50
HUMAN SERUM/PLASMA STARTING MATERIAL		
Anti-HBc	Negative	Negative
HBsAg	Negative	Negative
Anti-HCV	Negative	Negative
Anti-HIV 1/2	Negative	Negative
Anti-HTLV-I/II	Negative	Negative
HCV RNA by NAT	Negative	Negative
HIV RNA by NAT	Negative	Negative
HBV DNA by NAT	Negative	Negative
Anti-Syphilis	Negative	Negative
WNV RNA by NAT	Negative	Negative
Chagas	Negative	Negative

SAFETY PRECAUTIONS: This product is derived from human blood and although it tested negative for HIV antibodies and Hepatitis B and C it should be handled with appropriate precautions including wearing of gloves and safety glasses.

* One CH50 unit is defined as the input of NHS complement standard yielding 50% lysis of $1x10^8$ EA when incubated for 60 minutes at 37°C in a total reaction volume of 1.5 mL GVB^{++}.

** One unit of whole alternative pathway activity (AP50) is defined as the input of NHS complement standard yielding 50% lysis of $1.5x10^7$ rabbit erythrocytes (Er) when incubated for 30 minutes at 37°C in a total reaction volume of 100 µl GVB^o containing a final Mg-EGTA concentration of 5 mM.

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

Phone: 1-903-581-8284 FAX: 1-903-581-0491 Email: contactCTI@ComplementTech.com
Web Site: www.ComplementTech.com