

CERTIFICATE OF ANALYSIS

Complement Technology, Inc.

4801 Troup Hwy, Suite 701
Tyler, Texas 75703, USA

Product: **C1r Enzyme**

Catalog # **A102** Lot #

Exp. Date:

Description: Purified Human Complement Protein C1r Enzyme

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL. C1r has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 11.5$	1.04 mg/ml
FILL VOLUME	0.250 - 0.270 mL	0.260 mL
BUFFER	10 mM Imidazole 140 mM NaCl 8 mM EDTA, pH 7.4	Conforms
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
PURITY	$\geq 90\%$ Non-reduced SDS-Page, C1r is a single protein band of 92,000 Reduced SDS-Page, C1r has two protein subunits of 57,000 (heavy chain) and 35,000 (light chain) MW	$\geq 95\%$ by SDS-PAGE Conforms Conforms
FUNCTIONAL ACTIVITY	$\geq 90\%$ of C1r will bind with excess C1-Inh	$\geq 90\%$
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	$<$ trace amounts of IgG, IgA, IgM, albumin, C1s, C4BP, or C1-INH Strong precipitin line forms with anti-C1r antiserum	Conforms Conforms
HUMAN SERUM/PLASMA - STARTING MATERIAL		
HBsAg	Negative	Negative
Anti-HIV 1 & 2 Plus O	Negative	Negative
Anti-HCV	Negative	Negative
HCV/HIV/HBV by NAT	Negative	Negative
West Nile Virus (WNV) by NAT	Negative	Negative
Anti- Syphilis	Negative	Negative
Zika RNA by NAT	Negative	Negative
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

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