

CERTIFICATE OF ANALYSIS

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

Product: **C1r Proenzyme**
Catalog # **A101** Lot #
Exp. Date:

Description: Purified Human Complement Protein C1r Proenzyme

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	≥ 0.40 mg/mL. C1r has an extinction coefficient of $E^{1\%}_{280nm} = 11.5$	0.56 mg/ml
FILL VOLUME	0.200 - 0.220 mL	0.210 mL
BUFFER	10 mM Imidazole, 400 mM NaCl, 1 mM CaCl ₂ , pH 6.0	Conforms
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
PURITY	≥ 90% Reduced and Non-reduced SDS-Page C1r is a single chain Protein (92,000 daltons)	≥ 95% by SDS-PAGE ≥ 90% is a single chain 92,000 dalton band. Approx. ≤ 10% of C1r is the activated two-chain form (57,000 & 35,000 daltons)
FUNCTIONAL ACTIVITY C1rH50 Units/mg pure C1r proenzyme at the recommended input of C1r-Dpl	≥ 30,000 Units/mg	307,000 Units/mg
	≥70% of C1r activity in NHS on a mg/mg basis	100%
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	≤ trace amounts of IgG, IgA, IgM, albumin, C1s, C4BP, or C1-INH	Conforms
	Strong precipitin line forms with anti-C1r antiserum	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

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