

CERTIFICATE OF ANALYSIS

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

Product: C1s Proenzyme
Catalog # A103 Lot #
Exp. Date:

Description: Purified Human Complement Protein C1s Proenzyme

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL. C1s has an extinction coefficient of $E^{1\%}_{280\text{nm}} = 9.6$	1.02 mg/ml
FILL VOLUME	0.250 - 0.275 mL	0.260 mL
BUFFER	Phosphate Buffered Saline	Phosphate Buffered Saline
PRESERVATIVE	None, filtered through a 0.22 μm pore size filter.	None, filtered through a 0.22 μm pore size filter.
PURITY	$\geq 90\%$ Reduced and Non-reduced SDS-Page, C1s Proenzyme is a single protein band of 86,000	$\geq 95\%$ by SDS-PAGE Conforms
FUNCTIONAL ACTIVITY	When converted to C1s Enzyme $\geq 80\%$ will bind with excess C1-Inh	$\geq 90\%$
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	$<$ trace amounts of IgG, IgA, IgM, albumin, C1r, C3, C4, or ceruloplasmin Strong precipitin line forms with anti-C1s antiserum	Conforms 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
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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