

# CERTIFICATE OF ANALYSIS

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

Product: **NHS**  
Catalog # **NHS** Lot #  
Exp. Date:

Description: Normal Human Serum

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	50 – 75 mg/mL	70 mg/mL
FILL VOLUME	1.0 – 1.2 mL	1.05 mL
PRESERVATIVE	None, filtered through a 0.22 µm pore size filter.	None, filtered through a 0.22 µm pore size filter.
FUNCTIONAL ACTIVITY	Titer: > 75 CH50 Units/ml* > 75 AP50 Units/ml**	180 Units/ml 190 Units/ml
HUMAN SERUM/PLASMA STARTING MATERIAL		
HIV 1/2	Negative	Negative
HIV-1 NAT	Negative	Negative
HCV	Negative	Negative
HCV - NAT	Negative	Negative
HBV - NAT	Negative	Negative
Syphilis	Negative	Negative
Chagas	Negative	Negative
HBsAg	Negative	Negative
WNV	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  $1 \times 10^8$  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  $1.5 \times 10^7$  rabbit erythrocytes (Er) when incubated for 30 minutes at 37°C in a total reaction volume of 100 µl GVB° containing a final Mg-EGTA concentration of 5 mM.

**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