

CERTIFICATE OF ANALYSIS

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

Product: **C4/FB-Dpl**
Catalog # **A385 Lot #**
Exp. Date:

Description: Complement C4 and Factor B (fB)-Depleted Human Serum made by immunoaffinity chromatography

<u>Specifications</u>	<u>Limits</u>	<u>Results</u>
PROTEIN CONCENTRATION	≥40 mg/mL employing an extinction coefficient of E1%/280nm = 10.0	66 mg/mL
FILL VOLUME	0.50 – 0.55 mL	0.52 mL
PHYSICAL APPEARANCE	Clear, straw colored	Conforms
BUFFER	Phosphate buffered saline, pH 7.3	Conforms
PRESERVATIVE	None, filtered through a 0.22 µm pore size filter.	Conforms

CLASSICAL PATHWAY (CP) FUNCTIONAL ACTIVITY (CH50) *

NHS Std	≥ 75 CH50/mL	175 CH50/mL
Un-constituted C4/FB-Dpl	≤ 10 CH50/mL	< 1.0 CH50/mL
Ratio $\frac{\text{CH50/mL C4/FB-Dpl}}{\text{CH50/mL NHS Std}} \times 100$	≤ 10%	< 1%
Reconstituted C4/FB-Dpl (+ 0.4mg C4 & 0.2mg FB/mL)	≥ 60 CH50/mL	159 CH50/mL
Ratio $\frac{\text{CH50/mL C4/FB-Dpl} + \text{C4 \& FB}}{\text{CH50/mL NHS Std}} \times 100$	≥ 60%	91%

ALTERNATIVE PATHWAY (AP) FUNCTIONAL ACTIVITY (AP50) **

NHS Std	≥ 50 AP50/mL	182 AP50/mL
Input NHS Std to yield 1 APH50	≤ 20 µL	5.5 µL
Un-constituted C4/FB-Dpl	≤ 10 AP50/mL	< 1 AP50/mL
Ratio $\frac{\text{AP50/mL C4/FB-Dpl}}{\text{AP 50/mL NHS Std}} \times 100$	≤ 10%	< 1%
Reconstituted C4/FB-Dpl (+ 0.40mg C4 & 0.2 mg FB/mL)	≥ 50 AP50/mL	154 AP50/mL
Input C4/FB-Dpl with C4 & FB to yield 1 AP50	≤ 20 µL	6.5 µL
Ratio $\frac{\text{AP50/mL C4/FB-Dpl} + \text{C4 \& FB}}{\text{AP50/mL NHS Std}} \times 100$	≥ 60%	85%

