

# Complement Study Test Menu

	Humans	NHP	Method	Matrix	Minimum Volume
<b>Total Complement Function</b>					
Classical Pathway – CH50	•	•	Hemolytic	Serum	0.25 mL
Alternative Pathway – AH50	•	•	Hemolytic	Serum	0.25 mL
<b>Pathway Component Function and Levels</b>					
C1-Inhibitor Function, Chromogenic Assay	•		Function Chromogenic	Serum	0.25 mL
C1-Esterase Inhibitor Level	•		Turbidimetry	Serum	0.60 mL
C3 Levels	•	•	Turbidimetry	Serum	0.60 mL
C4 Levels	•	•	Turbidimetry	Serum	0.60 mL
Factor D Level	•		ELISA	Plasma	0.25 mL
<b>Markers of Complement Activation</b>					
Bb	•	•	ELISA	Plasma	0.25 mL
C3a	•	•	ELISA	Plasma	0.25 mL
C4a	•	•	ELISA	Plasma	0.25 mL
C5a	•	•	ELISA/RIA	Plasma	0.25 mL
sC5b-9	•	•	ELISA	Plasma	0.25 mL
sC5b-9	•		ELISA	Urine	0.60 mL
<b>Multiplex of Complement Activation</b>					
Bb, C3a, C5a	•		Multiplex	Plasma	0.25 mL
<b>Autoantibodies</b>					
Auto-antibodies to C1-Inhibitor	•		ELISA	Serum	0.25 mL
Auto-antibodies to C1q	•		ELISA	Serum	0.25 mL
Auto-antibodies to Factor H	•		ELISA	Serum	0.25 mL
C3-Nephritic Factor	•		Electrophoresis	Serum	0.25 mL
<b>Multiplex of Inflammatory Cytokines</b>					
IL-2, IL4, IL-5, IL-6, IL-10, IL-12(p70), IFN- $\gamma$ , TNF- $\alpha$ .	•		Multiplex	Plasma	0.25 mL
<b>Circulating Immune Complexes</b>					
CIC-C1q	•		ELISA	Plasma	0.25 mL
CIC-C3d (Raji)	•		ELISA	Plasma	0.25 mL
<b>In Vitro Complement Activation Studies</b>					
Custom Assays Available	•	•	ELISA/Hemolytic	Serum	0.25 mL

Dependent on Reagent Availability