

TEST CHANGE

C5 Inhibitors Drug Monitoring Panel

3005961, C5 INH PAN

Specimen Requirements:

Patient Preparation:

Collect: Plain red.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 2.0 mL serum to an ARUP standard transport tube and freeze immediately. (Min: 2.0 mL)

Transport Temperature: CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.

Unacceptable Conditions: Specimens received refrigerated, ambient, lipemic specimens, or grossly hemolyzed specimens. Serum separator tubes. Specimens collected using calcium-binding anticoagulants (i.e., EDTA, ACD).

Remarks:

Stability: Refer to individual components.

Methodology: Quantitative Turbidimetric/Quantitative Radial Immunodiffusion

Performed: Tue, Fri

Reported: 1-9 days

Note:

CPT Codes: 86160; 86161 x2; 86162

New York DOH Approval Status: Specimens from New York clients will be sent out to a New York DOH approved laboratory, if possible.

Interpretive Data:

Component	Interpretation
Complement Activity, Total Turbidimetric	Low: 38.6 U/mL or less Normal: 38.7-89.9 U/mL High: 90.0 U/mL or greater
Complement C5, Functional	Low: 22.9 U/mL or less Low-Normal: 23.0-28.3 U/mL Normal:

<p>Complement Activity, Alternative Pathway</p>	<p>28.4 U/mL or greater</p> <p>This test is intended for screening of functional activity of the alternative pathway of the complement system. Abnormal test results can be due to hereditary absence or acquired functional defect in the activity of any of the individual components of the alternative pathway.</p>	
<p>C5 Inhibitors Drug Monitoring Pan Interp</p>	<p>Patients treated with C5 inhibitors may show decreased/absent activity in total complement functional assay (CH50), alternative pathway functional assay (AH50), and C5 functional assay with normal or elevated C5 protein concentrations. Normal CH50, AH50, or C5 functional activity with normal or elevated C5 protein concentrations indicate inadequate complement blockage. Serial measurements are recommended when monitoring treatment efficacy. Decreases in both C5 concentration and C5 functional activity suggests a secondary</p>	

	<p>consumption process or C5 deficiency. Repeat testing using a new specimen is suggested if in vitro complement activation and consumption of components due to conditions of collection, transport, and/or handling is suspected.</p>
--	---

Reference Interval:

Test Number	Components	Reference Interval
	Complement Activity, Total Turbidimetric	38.7-89.9 U/mL
	Complement C5, Concentration	7-20 mg/dL
	Alternative Complement Pathway Activity, Alternative Pathway	31-59 percent normal or greater
	Alternative Complement Pathway Activity	
	Complement C5, Functional	23.0 U/mL or greater