MAYO CLINIC LABORATORIES

TEST STATUS

Notification Date: December 30, 2024
Effective Date: Immediately

C5 Complement, Antigen, Serum

Test ID: C5AG

Explanation:
Due to reagent supply issues C5AG will become non-orderable effective immediately. The duration of this test down is unknown. Pending orders will be reported while incoming orders will be automatically changed to the recommended alternative noted below.

Complement C5 deficiency is a very rare autosomal recessive defect, with approximately 100 cases described in the literature. It presents as systemic Neisserial infections. Other complement tests suggestive of C5 deficiency are absent classical pathway function, absent alternative function and absent C5 function.

If the patient is taking a C5 inhibitor drug such as eculizumab or ravulizumab, C5 concentration is not recommended. The best tests to monitor therapy efficiency are the eculizumab monitoring panel (ECMP: Eculizumab Monitoring Panel, Serum) or ravulizumab monitoring panel (RAVMP: Ravulizumab Monitoring Panel, Serum).

For investigations of complement C5 deficiency, C5 functional testing (C5FX: C5 Complement, Functional, Serum) is an appropriate alternative.

Recommended Alternative Test:

C5 Complement, Functional, Serum

Test ID: C5FX

Methodology:
Automated Liposome Lysis Assay

Reference Values:
29-53 U/mL

Specimen Requirements:

Patient Presentation:	Fasting preferred
Supplies:	Sarstedt 5 mL Aliquot Tube (T914)

Collection Container/Tube:	Red top
Submission Container/Tube:	Plastic vial
Specimen Volume:	1 mL
Collection Instructions:	1. Immediately after specimen collection, place the tube on wet ice. 2. Centrifuge and aliquot serum into plastic vial. 3. Immediately freeze specimen.
Minimum Volume:	0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum Red	Frozen	14 days

CPT Code:
86161

Day(s) Performed: Monday through Friday **Report Available:** 1 to 3 days

Questions
Contact Amy Ennis, Laboratory Resource Coordinator at 800-533-1710.