

Complement C3 and C4 with Anti-C1q Antibodies, Serum

Test ID: C341Q

Useful for:

Evaluating patients with suspected anti-C1q vasculitis

Predicting renal involvement in patients with systemic lupus erythematosus

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
C3	Complement C3, S	Yes	Yes
C4	Complement C4, S	Yes	Yes
AC1Q	Anti-C1q Antibodies, IgG, S	Yes	Yes

Methods:

AC1Q: Enzyme-Linked Immunosorbent Assay (ELISA)

C3, C4: Nephelometry

Reference Values:

C3:
75-175 mg/dL

C4:
14-40 mg/dL

AC1Q:
<20 U/mL (Negative)
20-39 U/mL (Weak Positive)
40-80 U/mL (Moderate Positive)
>80 U/mL (Strong Positive)

Specimen Requirements:

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Specimen Volume: 1.5 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial

Minimum Volume: 0.9 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	21 days

Cautions:

The results are dependent on appropriate specimen transport and storage.

A positive result for anti-C1q antibodies indicates they are detectable above the assay's lower limit of quantitation and does not unequivocally establish any diagnosis.

CPT Code:

86160 x2
83520

Day(s) Performed:

C3, C4: Monday through Friday
AC1Q: Wednesday

Report Available:

2 to 8 days

Questions

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