
Lab Dept: Chemistry

Test Name: C4 (FOURTH COMPONENT OF COMPLEMENT)

General Information

Lab Order Codes: C4

Synonyms: C'4; Fourth component of complement; Complement 4

CPT Codes: 86160 – Complement; antigen, each component

Test Includes: C4 concentration reported in mg/dL.

Logistics

Test Indications: C4 is essential for the activation of the classical pathway. C4 deficiency is associated with very high prevalence of autoimmune or collagen vascular disease. It has been proposed that C4 may be critical for the clearance of viral infections.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Green top (Lithium Heparin) tube, preferred
Alternate: Red, marble or gold top tube

Draw Volume: 0.6 mL blood

Processed Volume: 0.2 mL serum

Collection: Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a plastic sample cup. Specimens can be stored at refrigerated temperatures for up to 7 days. Centrifuge turbid or particulate samples prior to analysis.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens; specimens other than serum; lipemic or turbid specimens

Interpretive

Reference Range:	10 - 40 mg/dL
Critical Values:	N/A
Limitations:	N/A
Methodology:	Nephelometry
References:	Tietz, NW, Textbook of Clinical Chemistry (1999) WB Saunders Co., Philadelphia, PA, 3 rd edition Siemens Dimension Vista C4 Flex Insert, P/N K7028G00E0803, Rev 3/2011
Updates:	2/8/2016: Update alt tube types