
Lab Dept: Chemistry

Test Name: C5 (FIFTH COMPONENT OF COMPLEMENT)

General Information

Lab Order Codes: CC5

Synonyms: C5 Complement Component, Serum; Fifth component of complement

CPT Codes: 86160 – Complement; antigen, each component

Test Includes: C5 level in mg/dL

Logistics

Test Indications: Useful for investigating an undetectable total complement (CH₅₀) level and investigating individuals with increased susceptibility to bacterial infection. Diagnosis of C5 deficiency.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: C5AG)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1- 3 days, test set up Monday - Saturday

Special Instructions: See [Patient Preparation](#)

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot and place into a screw-capped, round bottom, plastic vial. Ship and store at frozen temperatures. Forward promptly.
Patient Preparation:	Patient must be fasting
Sample Rejection:	Specimens other than serum; mislabeled or unlabeled specimens

Interpretive

Reference Range: 10.6 – 26.3 mg/dL

Critical Values: N/A

Limitations: The total complement assay should be used as a screen for suspected complement deficiencies before ordering individual complement component assays. A deficiency of an individual component of the complement cascade will result in an undetectable total complement level.

Methodology: Nephelometry

References: [Mayo Medical Laboratories Web Page](#) December 2017

Updates: 11/12/2009: Reference range update, previously listed as 7.4 - 11.7 mg/dL.
12/13/2017: Collection container update.