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: Red top 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

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**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](http://www.mayoclinic.org) July 2014

**Updates:** 11/12/2009: Reference range update, previously listed as 7.4 - 11.7 mg/dL.