**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


Siemens Dimension Vista C4 Flex Insert, P/N K7028G00E0803, Rev 3/2011

Update: 2/8/2016: Update alt tube types