

## C1 Esterase Inhibitor, Functional, Serum

**Test ID:** C1INF

**Useful for:**

Diagnosing hereditary angioedema

Monitoring response to C1 esterase inhibitor replacement therapy

**Methods:**

Enzyme Immunoassay (EIA)

**Reference Values:**

>67% normal (normal)

41-67% normal (equivocal)

<41% normal (abnormal)

**Specimen Requirements:**

**Patient Population:** Fasting, preferred but not required

**Supplies:** 5 mL Aliquot Tube (T914)

**Collection Container/Tube:**

**Preferred:** Red top

**Acceptable:** Serum gel

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 1 mL

**Minimum Volume** 0.4 mL

**Collection Instructions:**

1. Immediately after specimen collection, place the tube on wet ice.
2. Centrifuge at 4 degrees C and aliquot serum into a 5-mL plastic vial.
3. Freeze specimen within 30 minutes.

**Specimen Stability Information:**

Specimen Type	Temperature	Time
Serum Red	Frozen	28 days

**Cautions:**

This assay is a functional test and is dependent on correct sampling, storage, and shipping conditions.

Absent (or low) C1 esterase inhibitor function should be confirmed with a new serum specimen to confirm that inactivation has not occurred during shipping.

**CPT Code:**

83520

**Day(s) Performed:** Varies      **Report Available:** 3 to 5 days

**Questions**

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