

## Division of Laboratory Medicine

Immunology

### C1 esterase inhibitor

#### General information

Should always request C4 at the same time

**Specimen transport:** At room temperature

**Repeat frequency:** At significant change of clinical symptoms, monitoring of treatment.

**Special precautions:** None

#### Laboratory information

**Normal reference range:** 0.16 - 0.32 g/L

**Volume and sample type:** 4ml serum

**Method:** Turbidimetry

**Participation in EQA scheme:** UK NEQAS for C1 Inhibitor & Functional Complement and INSTAND Complement Analysis

**Turnaround time (calendar days from sample receipt to authorised result):** Median - 4

#### Clinical information

**Indications for the test:** Suspected type I hereditary angioedema. This disease causes recurrent attacks of abdominal pain or swellings. The complement component C4 is almost always low in HAE. This is used as a reliable screen for the disease.

**Factors affecting the test:** None

**(Last updated July 2023)**