

# Luteinizing Hormone (LH)

**CPT Code:** 83002

**Order Code:** C149

**ABN Requirement:** No

**Synonyms:** LH; Interstitial Cell Stimulating Hormone; ICSH

**Specimen:** Serum

**Volume:** 0.5 mL

**Minimum Volume:** 0.2 mL

**Container:** Gel-barrier tube (SST, Tiger Top)

## **Collection:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Special Instructions:** Samples should not be taken from patients receiving therapy with high biotin doses (>5 mg/day) until at least 8 hours following the last dose.

**Transport:** Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions provided with the Cleveland HeartLab shipping box.

## **Stability:**

**Ambient (15-25°C):** not acceptable

**Refrigerated (2-8°C):** 14 days

**Frozen (-20°C):** 6 months

**Deep Frozen (-70°C):** 6 months

**Causes for Rejection:** Samples which are heat-inactivated; specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits

**Methodology:** Electrochemiluminescence Immunoassay (ECLIA)

**Turn Around Time:** 1 to 5 days

**Reference Range:**

Age/Gender/Phase	mIU/mL
All Ages, Male	1.7-8.6
Female, Follicular	2.4-12.6
Female, Ovulatory	14.0-95.6
Female, Luteal	1.0-11.4
Female, Postmenopausal	7.7-58.5

**Intended Use:** Doctors may order a luteinizing hormone test for individuals undergoing evaluation for infertility and women with irregular menstrual cycles. It is also used for the diagnosis of pituitary disorders, as well as disorders of the ovaries and testes.

**Limitations:** The female reference ranges are dependent upon age and menstrual cycle. In rare cases, interference due to extremely high titers of antibodies to analyte-specific antibodies, streptavidin or ruthenium can occur.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*