

Reporting Title: Luteinizing Hormone (LH), S
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:

- 1. The limit of quantitation for this test is 0.01 IU/L. In pediatric settings where greater analytical sensitivity is required, order LHPED / Luteinizing Hormone (LH), Pediatrics, Serum.
- 2. The preferred test to confirm menopausal status is FSH / Follicle-Stimulating Hormone (FSH), Serum.

Specimen Requirements:

Patient Preparation: For 12 hours before specimen collection, patient **should not** take multivitamins or dietary supplements (eg, hair, skin, and nail supplements) containing biotin (vitamin B7).

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.6 mL

Collection Instructions: Within 2 hours of collection, centrifuge and aliquot serum into a plastic vial.

Forms:

If not ordering electronically, complete, print, and send an [Oncology Test Request](#) (T729) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	7 days	
	Ambient	24 hours	
	Frozen	180 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
LH	Luteinizing Hormone (LH), S	Numeric	IU/L	10501-5

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

83002

Reference Values:

Males

< or =4 weeks: Not established

>1 month-< or =12 months: < or =0.4 IU/L

>12 months-< or =6 years: < or =1.3 IU/L

>6-< or =11 years: < or =1.4 IU/L

>11-< or =14 years: 0.1-7.8 IU/L

>14-< or =18 years: 1.3-9.8 IU/L

>18 years: 1.3-9.6 IU/L

Females

< or =4 weeks: Not established

>1-< or =12 months: < or =0.4 IU/L

>12 months-< or =6 years: < or =0.5 IU/L

>6-< or =11 years: < or =3.1 IU/L

>11-< or =14 years: < or =11.9 IU/L

>14-< or =18 years: 0.5-41.7 IU/L

Premenopausal:

Follicular: 1.9-14.6 IU/L

Midcycle: 12.2-118.0 IU/L

Luteal: 0.7-12.9 IU/L

Postmenopausal: 5.3-65.4 IU/L