

**Reporting Title:** Luteinizing Hormone (LH), S**Performing Location:** Rochester**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 do not take multivitamins or dietary supplements containing biotin (vitamin B7), which is commonly found in hair, skin, and nail supplements and multivitamins.

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 0.6 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial within 2 hours of collection.

**Specimen Minimum Volume:**

0.5 mL

**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	
	Frozen	180 days	
	Ambient	24 hours	

**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:**

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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