

**Reporting Title:** LH, Pediatrics, S**Performing Location:** Rochester**Ordering Guidance:**

This test is only available for pediatric patients. If testing request is for a patient 18 years of age or older, order LH / Luteinizing Hormone (LH), Serum.

**Specimen Requirements:**

Supplies: Sarstedt 5 mL Aliquot Tube (T914)

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 0.25 mL

Collection Instructions:

1. Red-top tubes should be centrifuged, and the serum transferred to a plastic vial within 2 hours of collection.
2. Serum gel tubes should be centrifuged within 2 hours of collection.

**Specimen Minimum Volume:**

0.13 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	90 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
62999	LH, Pediatrics, S	Numeric	IU/L	83103-2

LOINC and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

83002

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**Reference Values:****Females**

<1 year: <0.02-18.3 IU/L  
1-8 years: <0.02-0.3 IU/L  
9-10 years: <0.02-4.8 IU/L  
11-13 years: <0.02-11.7 IU/L  
14-17 years: <0.02-16.7 IU/L

**Tanner Stages\***

Stage I (1-8 years): <0.02-0.3 IU/L  
Stage II: <0.02-4.1 IU/L  
Stage III: 0.6-7.2 IU/L  
Stage IV-V: 0.9-13.3 IU/L

\*Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for girls at a median age of 10.5 (+/- 2) years. There is evidence that it may occur up to 1 year earlier in obese girls and in African-American girls. Progression through Tanner stages is variable. Tanner stage V (adult) should be reached by age 18.

**Males**

<1 year: <0.02-5.0 IU/L  
1-8 years: <0.02-0.5 IU/L  
9-10 years: <0.02-3.6 IU/L  
11-13 years: 0.1-5.7 IU/L  
14-17 years: 0.8-8.7 IU/L

**Tanner Stages\***

Stage I (1-8 years): <0.02-0.5 IU/L  
Stage II: 0.03-3.7 IU/L  
Stage III: 0.09-4.2 IU/L  
Stage IV-V: 1.3-9.8 IU/L

\*Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for boys at a median age of 11.5 (+/- 2) years. For boys there is no proven relationship between puberty onset and body weight or ethnic origin. Progression through Tanner stages is variable. Tanner stage V (adult) should be reached by age 18.