

**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 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

**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\*

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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.