

LUTEINIZING
HORMONE,
PLASMA/
SERUM

Orderable - LHFSH

Turn Around Time: 4 hours

Alternate Name(s):

LH

Specimen:

Adult	Pediatric
4.5 mL Light Green top Vacutainer tube	0-2 years: 0.5 mL Light Green top Microtainer 2-10 years: 3 mL Light Green top Vacutainer tube
Red, Gold, or Lavender (EDTA) top tubes are also acceptable	

Collection Information:

Minimum volume of serum or plasma required is 700 µL for adult samples or 200 µL for pediatric samples.

Reference Ranges:

Male	
Tanner Stage 1:	≤ 1.30 IU/L
Tanner Stage 2:	≤ 2.91 IU/L
Tanner Stage 3:	0.65 – 4.19 IU/L
Tanner Stage 4:	1.16 - 6.23 IU/L
Tanner Stage 5:	1.15 - 7.17 IU/L
Adult:	1.70 - 8.60 IU/L

Female	
Tanner Stage 1:	< 0.31 IU/L
Tanner Stage 2:	≤ 4.01 IU/L
Tanner Stage 3:	≤ 7.93 IU/L
Tanner Stage 4:	0.68 - 19.80 IU/L
Tanner Stage 5:	0.48 - 21.60 IU/L



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Roche
Electrochemiluminescence



Test Schedule:
As required

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Follicular Phase:	2.40 - 12.60 IU/L
Ovulatory phase:	14.00 - 95.60 IU/L
Luteal phase:	1.00 - 11.40 IU/L
Post-menopausal:	7.70 - 58.50 IU/L

Comments:

Biotin may interfere with this test. Samples should not be taken from patients receiving high biotin doses (i.e. > 5 mg/day) until at least 8 hours after the last biotin administration.

In rare cases, interference due to extremely high titers of antibodies to test-specific antibodies, streptavidin, or ruthenium can occur.