
Lab Dept: Chemistry

Test Name: FOLLICLE STIMULATING HORMONE (FSH)

General Information

Lab Order Codes: FSH

Synonyms: FSH; Follitropin

CPT Codes: 83001 – Gonadotropin; follicle stimulating hormone

Test Includes: Follicle stimulating hormone (FSH) concentration reported in mIU/mL.

Logistics

Test Indications: FSH is a glycoprotein hormone secreted by the anterior pituitary in response to gonadotropin-releasing hormone. FSH and LH play a critical role in maintaining the normal function of the male and female reproductive systems.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Preferred: Green top (Li Heparin) tube
Alternate: Red, marble or gold top tube

Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.2 mL) plasma/serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Store at 2-8 degrees Centigrade for up to 7 days.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

Males:	
Prepubertal children ≤10 yrs:	<5 mIU/mL
Adults (>10 yrs):	1 – 10 mIU/mL
Females:	
Prepubertal children <10 yrs:	<5 mIU/mL
Menstruating Females:	
Follicular Phase:	1 – 9 mIU/mL
Midcycle Peak:	4 – 30 mIU/mL
Luteal Phase:	0 – 7 mIU/mL

Critical Values: N/A

Limitations: Heterophile antibodies may interfere with immunoassay tests.

Methodology: Homogeneous Sandwich Chemiluminescent Immunoassay

References:

Siemens Dimension Vista FSH Instructions For Use (2/29/2012)
Siemens Healthcare Diagnostics

Jacobs and DeMott Laboratory Test Handbook (2001) Lexi-Comp Inc, Hudson OH, 5th Edition

National Committee for Clinical Laboratory Standards (NCCLS) (2002) Clinical Laboratory Technical Procedure Manuals; Approved Guideline-Fourth Edition GP2-A4

Burtis CA, Ashwood ER, ed (2006) Tietz Textbook of Clinical Chemistry. 4th ed. Philadelphia: W.B. Saunders

Biorad Immunoassay Plus Control Product Insert

Updates:

7/22/2014: Method change, previously listed as Two Site Immunoassay, Chemiluminescence.

2/8/2016: Update alt tube types