



# Labsmart Software

## Sample Letterhead

+91 12345 67890

yourlabname@gmail.com

<https://www.yourlabname.in/>**Mr. Dummy**

Age / Sex : 28 YRS / M  
Referred by : Dr. Sachin Patil (MBBS)  
Reg. no. : 1108



1108

Registered on : 20/11/2024 03:53 PM  
Collected on : 20/11/2024  
Received on : 20/11/2024  
Reported on : 20/11/2024 03:53 PM

Scan to download

**ENDOCRINOLOGY**

TEST	VALUE	UNIT	REFERENCE
LUTEINISING HORMONE, LH	4	mIU/mL	

**Physiological basis :**

LH is stimulated by the hypothalamic hormone gonadotropin- releasing hormone (GnRH). It is secreted from the anterior pituitary and acts on the gonads. LH is the principal regulator of steroid biosynthesis in the ovary and testis.

**Interpretation :**

**Increased in:** Primary hypogonadism, polycystic ovary syndrome, postmenopause, endometriosis, after depot leuprolide injection; immunoassay result may be falsely elevated in pregnancy.

**Decreased in:** Pituitary or hypothalamic failure, anorexia nervosa, bulimia, advanced prostate cancer, severe stress, malnutrition, Kallman syndrome (gonadotropin deficiency associated with anosmia). Drugs: digoxin, oral contraceptives, phenothiazines.

**Comments**

In male hypogonadism, serum LH and FSH levels can distinguish between primary (hypergonadotropic) and secondary (hypogonadotropic) hypogonadism. Hypogonadism associated with aging (andropause) may present a mixed picture, with low testosterone levels and low to low-normal gonadotropin levels. Repeated measurement may be required to diagnose gonadotropin deficiencies.

Elevated serum LH levels are a common feature in polycystic ovary syndrome, but measurement of total testosterone is the test of choice to diagnose polycystic ovary syndrome.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

**NOT VALID FOR MEDICO LEGAL PURPOSE**

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.