

Infertility detection troubles
will drop down into bubbles with
**Infertility Comprehensive
Test Panel**



 *Dr Lal PathLabs*

National Customer Care: © 011-3988-5050

Infertility is a disease of reproductive system defined by the failure to achieve a clinical pregnancy after 12 months or more of regular unprotected sexual intercourse.



Ovulatory dysfunctions account for 20% - 40% cases of infertility in females **

Common causes of ovulatory dysfunctions:

1. Hypothyroidism
2. Hyperprolactinemia
3. Hypogonadotrophic Hypogonadism
4. Hypergonadotrophic Hypogonadism
5. Polycystic Ovarian Syndrome (PCOS)



INFERTILITY COMPREHENSIVE PANEL, FEMALES

(FSH, LH, PROLACTIN, TESTOSTERONE TOTAL, TSH ULTRASENSITIVE, ESTRADIOL, AMH)

Test in Panel	Utility
TSH	To rule out hypothyroidism, as it may lead to secondary Hyperprolactinemia.
Prolactin	Hyperprolactinemia is one of the most common entities associated with chronic anovulation.
LH, FSH	<ul style="list-style-type: none">• To rule out hypogonadism due to hypothalamic or pituitary dysfunction.• To rule out hypergonadotrophic state E.g.: Premature ovarian failure• Increased LH/FSH ratio is suggestive of PCOS
Estrogen	Estrogen is a product of granulosa cells and reflects follicular activity.
Testosterone	PCOS is the most common cause of androgen excess and serum testosterone is the most important test to evaluate androgen excess.
AMH (Anti-Mullerian Hormone)	AMH reflects the size of primordial follicle pool and is a useful marker of ovarian reserve. It also helps to assess ovarian function in patients with PCOS.

**Ref: WHO | Infertility. WHO.int. 2013-03-19. Retrieved 2013-06-17.



National Customer Care: ☎ 011-3988-5050

Corporate Office: 12th Floor, Tower B, SAS Tower, Medicity, Sec- 38, Gurgaon- 122 001, Haryana
Tel: 0124- 3016 500 | Fax: 0124- 42344668

National Reference Lab: Sector-18, Block-E, Rohini, New Delhi- 110 085
www.lalpathlabs.com

doctorfeedback@lalpathlabs.com

Follow us at www.facebook.com/lalpathlabs www.twitter.com/lalpathlabs

*Conditions apply

Over 6 decades of experience • Widest test menu of 3500 tests • Over 150 labs & 2000 centers • Trust of over 12 million customers