

Patient Name : Ms. MONIKA SINGH	Visit No : CHA250041947
Age/Gender : 36 Y/F	Registration ON : 08/Mar/2025 02: 37PM
Lab No : 10139242	Sample Collected ON : 08/Mar/2025 02: 40PM
Referred By : Dr. ESIC HOSPITAL LUCKNOW	Sample Received ON : 08/Mar/2025 02: 49PM
Refer Lab/Hosp : ESIC HOSPITAL LUCKNOW	Report Generated ON : 08/Mar/2025 05: 12PM
Doctor Advice : E2,PROLACTIN,LH,FSH	



Test Name	Result	Unit	Bio. Ref. Range	Method
LH				
LUTEINIZING HORMONE	36.93	mIU/ml	20-70 years: 1.5-9.3 -> 70 years: 3.1-34.6 ~Children:< 0.1-6.0	

FOLLICLE STIMULATING HORMONE FSH

FOLLICLE STIMULATING HORMONE FSH serum	68.60	mIU/ml	Women (mIU/ml)~1) Follicular phase: 2.5-10.2 ~2) Midcycle peak : 3.4- 33.4 ~3) Luteal phase : 1.5- 9.1 ~4) Pregnant : < 0.3~5) Postmenopausal:23.0- 116.3	CLIA
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INTERPRETATION:

Normally Menstruating Females	Biological Reference Range
Follicular	2.5-10.2
Mid - Cycle	3.4-33.4
Luteal	1.5-9.1
Post-menopausal Females	23-116.3
Male	1.4-18.1 (13-70 years)

-Circulating levels of follicle stimulating hormone vary throughout the menstrual cycle in response to estradiol and progesterone. A small but significant increase in FSH accompanies the mid-cycle LH surge, while FSH declines in the luteal phase in response to estradiol and progesterone production by the developing corpus luteum.

-At menopause FSH and LH increase sufficiently in response to diminished feedback inhibition of gonadotropin release.

-In males, FSH, LH and testosterone regulate spermatogenesis by sertoli cells in seminiferous tubules of the testis. FSH may also be elevated in Klinefelter's syndrome or as a consequence of sertoli cell failure.

-In females, situations in which FSH is elevated and gonadal steroids are depressed include - menopause, premature ovarian failure and oophorectomy, in polycystic ovarian syndrome the LH/FSH ratio may be increased. Abnormal FSH concentrations may indicate dysfunction of the hypothalamic-pituitary axis. In sexually mature adults, FSH deficiency together with low concentrations of LH and sex steroids may indicate panhypopituitarism.

LIMITATIONS:

-Specimens from patients who have received preparations of mouse monoclonal antibodies for diagnosis or therapy may show either false positive or depressed values.

ESTRADIOL (E2)

ESTRADIOL (E2)	7.69	pg/ml	7.63 - 42.6
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[Checked By]



Shadab Khan

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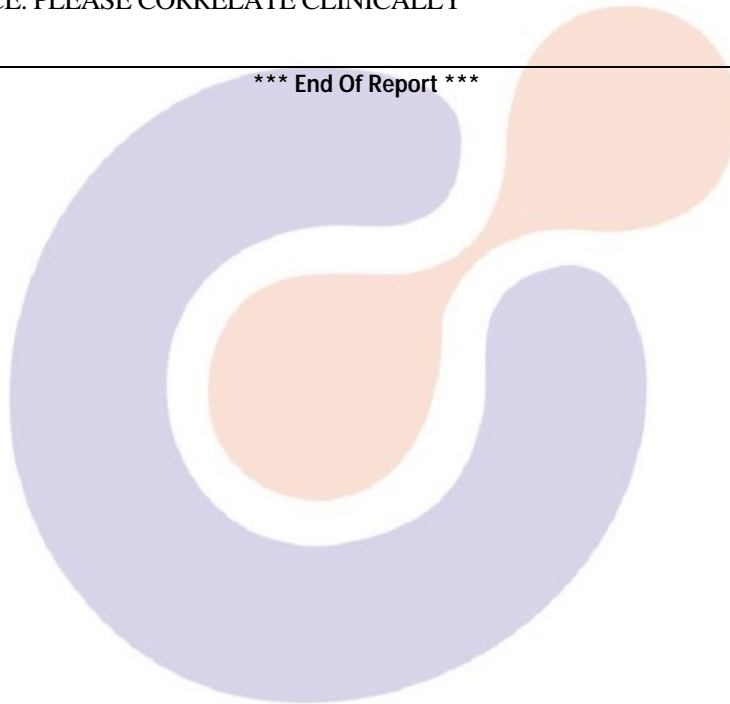
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Test Name	Result	Unit	Bio. Ref. Range	Method
PROLACTIN				
PROLACTIN Serum	2.01	ng/ml	2.64 - 13.130	CLIA

FINDING CHECKED TWICE. PLEASE CORRELATE CLINICALLY

*** End Of Report ***



CHARAK



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