



L57 - BIJNORE LAB  
Near Main Branch of Punjab National Bank  
Civil Lines, Bijnore, U.P.  
PH. 01342-261136, 01342-261137

Name	: Ms. MAHIMA SINGH	Collected	: 3/9/2022 10:59:00AM
Lab No.	: 332584548	Received	: 3/9/2022 11:21:20AM
Age:	29 Years	Reported	: 3/9/2022 7:11:03PM
Gender:	Female	Report Status	: Final
A/c Status	: P	Ref By	: Dr. JYOTI

Test Name	Results	Units	Bio. Ref. Interval
PROLACTIN, SERUM (Chemiluminescent Immunoassay)	46.86	ng/mL	

#### Interpretation

REFERENCE GROUP	REFERENCE RANGE IN ng/mL
Adult Females	
Pre Menopausal	3.34-26.72
Post Menopausal	2.74-19.64

#### Note

1. Since prolactin is secreted in a pulsatile manner and is also influenced by a variety of physiologic stimuli, it is recommended to test 3 specimens at 20-30 minute intervals after pooling.
2. Major circulating form of Prolactin is a nonglycosylated monomer, but several forms of Prolactin linked with immunoglobulin occur which can give falsely high Prolactin results.
3. Macroprolactin assay is recommended if prolactin levels are elevated, but signs and symptoms of hyperprolactinemia are absent or pituitary imaging studies are normal

#### Clinical Use

- Diagnosis & management of pituitary adenomas
- Differential diagnosis of male & female hypogonadism

#### Increased Levels

- **Physiologic:** Sleep, stress, postprandially, pain, coitus, pregnancy, nipple stimulation or nursing
- **Systemic disorders:** Chest wall or thoracic spinal cord lesions, Primary / Secondary hypothyroidism, Adrenal insufficiency, Chronic renal failure, Cirrhosis
- **Medications:**
  - **Psychiatric medications** like Phenothiazine, Haloperidol, Risperidone, Domperidone, Fluoxetine, Amitriptylene, MAO inhibitors etc.,
  - **Antihypertensives:** Alpramethyldopa, Reserpine, Verapamil
  - **Opiates:** Heroin, Methadone, Morphine, Apomorphine
  - **Estrogens**
  - **Oral contraceptives**
  - **Cimetidine / Ranitidine**
- **Prolactin secreting pituitary tumors:** Prolactinoma, Acromegaly
- **Miscellaneous:** Polycystic ovarian disease, Epileptic seizures, Ectopic secretion of prolactin by non-pituitary tumors, pressure / transection of pituitary stalk, macroprolactinemia
- **Idiopathic**

