



# Labsmart Software

## Sample Letterhead

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yourlabname@gmail.com

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

Age / Sex : 28 YRS / M  
Referred by : Dr. Sachin Patil (MBBS)  
Reg. no. : 1107



1107

Registered on : 20/11/2024 03:29 PM  
Collected on : 20/11/2024  
Received on : 20/11/2024  
Reported on : 20/11/2024 03:29 PM

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**ENDOCRINOLOGY**

TEST	VALUE	UNIT	REFERENCE
PROLACTIN	11.2	ng/mL	< 15 ng/mL

**Physiological basis:**

Prolactin is a polypeptide hormone secreted by the anterior pituitary. It functions in the initiation and maintenance of lactation in the postpartum period. PRL secretion is inhibited by hypothalamic secretion of dopamine.

**Clinical Use:**

1. Diagnosis & management of pituitary adenomas
2. Differential diagnosis of male & female hypogonadism.

**Interpretation****Increased in:**

1. **Physiologic:** Sleep, stress, postprandially, pain, coitus
2. **Systemic disorders:** Chest wall or thoracic spinal cord lesions, Primary / Secondary hypothyroidism, Adrenal insufficiency, Chronic renal failure, Cirrhosis
3. **Medications:**
  - Psychiatric medications like Phenothiazine, Haloperidol, Risperidone, Domperidone, Fluoxetine, Amitriptyline, MAO inhibitors etc.,
  - Antihypertensives: Alpha Methyldopa, Reserpine, Verapamil
  - Opiates: Heroin, Methadone, Morphine, Apomorphine
  - Cimetidine / Ranitidine
  - Prolactin secreting pituitary tumors: Prolactinoma, Acromegaly
4. **Miscellaneous:** Epileptic seizures, Ectopic secretion of prolactin by non-pituitary tumors, pressure / transaction of pituitary stalk, macroprolactinemia
5. **Idiopathic**

**Decreased in:** Pituitary deficiency: Pituitary necrosis / infarction, Pseudohypoparathyroidism, Bromocriptine administration, Drugs: Levodopa

**Comments:** Serum PRL is used primarily in work-up of suspected pituitary tumors. Clinical presentation is usually amenorrhea and galactorrhea in women and impotence in men. In macroadenoma - PRL is frequently > 500 ng/mL and In microadenoma - PRL is usually > 150 ng/mL

~~~ 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.