
Lab Dept: Chemistry

Test Name: PROLACTIN

General Information

Lab Order Codes: PROL

Synonyms: N/A

CPT Codes: 84146 - Prolactin

Test Includes: Prolactin concentration reported in ng/mL.

Logistics

Test Indications: Useful for detecting prolactin-secreting pituitary tumors; aiding in the evaluation of hypothalamic disease, hypopituitarism, etc. Prolactin initiates and maintains lactation in females and suppresses gonadal function in both sexes.

Lab Testing Sections: Chemistry

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Preferred: Green top (Li Heparine) tube
Alternate: Red, marble or gold top tube

Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.2 mL) plasma/serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove plasma/serum aliquot into a plastic sample cup. Store at 2-8 degrees Centigrade for up to 7 days.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

Age:	Range:
Male:	
1 - 7 days:	30 - 495 ng/mL
1 - 6 weeks:	29 - 145 ng/mL
6 - 8 weeks:	11 - 23 ng/mL
>2 months:	3 - 18 ng/mL
Female:	
1 - 7 days:	30 - 495 ng/mL
1 - 6 weeks:	29 - 145 ng/mL
6 - 8 weeks:	11 - 23 ng/mL
>2 months:	3 - 24 ng/mL

Critical Values: N/A

Limitations: Heterophile antibodies may interfere with immunoassay testing.

Methodology: Homogeneous Sandwich Chemiluminescent Immunoassay

References: Siemens Dimension Vista Prolactin Directions For Use (7/12/2010)
Siemens Healthcare Diagnostics

National Committee for Clinical Laboratory Standards (NCCLS) (2002)
Clinical Laboratory Technical Procedure Manuals; Approved Guideline-
Fourth Edition GP2-A4

Burtis CA, Ashwood ER, editors (2006) Tietz Textbook of Clinical
Chemistry and Molecular Diagnostics. 4th ed. St Louis MO:Elsevier
Saunders

Biorad Immunoassay Plus Control Product Insert

Updates:

7/22/2014: Method update, previously listed as Competitive Chemiluminescent Assay.

2/9/2016: Updated alt tube type