
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: 0.75 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.25 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 (ng/mL):
Male:	
<30 days:	12.6 - 213
30 days - <1 year:	6.3 - 114
1 - <19 years:	4.2 – 23.0
Adult:	3.46 – 19.40
Female:	
<30 days:	12.6 - 213
30 days - <1 year:	6.3 - 114
1 - <19 years:	4.2 – 23.0
Adult:	5.18. – 26.53

Critical Values: N/A

Limitations: Heterophile antibodies may interfere with immunoassay testing.

Methodology: Chemiluminescent Microparticle Immunoassay (CMIA)

References: Abbott Alinity i Prolactin Reagent Instructions for Use (February 2018)
Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

Abbott Alinity i Prolactin Calibrator Kit Package Insert (February 2018)
Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA

CALIPER Reference Interval Studies (accessed 1027/2020)

Bio-Rad Liquichek Immunoassay Plus Quality Plus Control Package
Insert (April 2020) Abbott Laboratories Diagnostics Division, Abbott
Park, IL, 60064, USA

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

Bio-Rad Immunoassay Plus Control Product Insert

Updates:

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

2/9/2016: Updated alt tube type

12/11/2020: Updated for method Abbott Alinity, removed method
Siemens Vista