MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: July08, 2014
EFFECTIVE DATE: August 12, 2014

PROLACTIN, PITUITARY MACROADENOMA, SERUM
Test ID: PLPMA

USEFUL FOR: Quantifying prolactin in serum specimens where the high-dose hook effect is suspected (eg, presence of pituitary tumor with symptoms of prolactinoma, and lower than expected serum prolactin concentration). This test replaces the current PRLPM test which will become obsolete on August 12, 2014. PRLPM uses an immunoenzymatic assay.

METHODOLOGY: Electrochemiluminescent Immunoassay

REFERENCE VALUES:

Males	Females
<18 years: not established > or =18 years: 4.0-15.2 ng/mL	<18 years: not established > or =18 years: 4.8-23.3 ng/mL

SPECIMEN REQUIREMENTS:
Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Specimen Volume: 2.0 mL
Collection Instructions:
Minimum Volume: 1.75 mL

NOTE: Patient's age and sex are required.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Ambient	24 hours
	Frozen	90 days

CAUTIONS:
A macroadenoma may be nonfunctional and not secrete prolactin.

Infrequently, a patient may have a nonfunctional macroadenoma but apparent hyperprolactinemia caused by the presence of macroprolactin (prolactin bound to immunoglobulin). To determine this, order MCRPL / Macroprolactin, Serum.

For assays employing antibodies, the possibility exists for interference by human antianimal antibodies (ie, heterophile antibodies) in the patient sample. Patients who have been regularly exposed to animals or have received immunotherapy or diagnostic procedures utilizing immunoglobulins or immunoglobulin fragments may produce antibodies, eg, HAMA, that interfere with immunoassays. This may falsely elevate or falsely decrease the results.

Interference due to extremely high titers of antibodies to analyte-specific antibodies, streptavidin or ruthenium can occur.

CPT CODE: 84146

DAY(S) SET UP: Monday through Sunday; Continuously

ANALYTIC TIME: Same day/1 day