MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: April 13, 2012
EFFECTIVE DATE: May 15, 2012

PORPHYRINS, TOTAL, PLASMA
Test ID: PTP

USEFUL FOR:
- Differential diagnosis of porphyrias and photosensitive skin manifestations
- Determining whether skin problems are related to an accumulation of porphyrins (renal failure porphyria, porphyria cutanea tarda, congenital erythropoietic porphyria, and erythropoietic protoporphyria) or some other problem

PROFILE INFORMATION:

Test ID	Reporting Name	Available Separately	Always Performed
PTP	Porphyrins, Total, P	No	Yes

REFLEX TESTS:

Test ID	Reporting Name	Available Separately	Always Performed
PFP	Porphyrins, Fractionation, P	No	No

TESTING ALGORITHM: If total porphyrins are >1.0 mcg/dL, then PFP, Porphyrins, Fractionation, Plasma, will be performed at an additional charge.

METHODOLOGY:
PTP: Extraction and Scanning Spectrofluorometry
PFP: High-Performance Liquid Chromatography (HPLC)

REFERENCE VALUES:
PORPHYRINS, TOTAL
< or =1.0 mcg/dL

UROPORPHYRINS (octacarboxyl)
< or =1.0 mcg/dL

HEPTACARBOXYLPORPHYRINS
< or =1.0 mcg/dL

HEXACARBOXYLPORPHYRINS
< or =1.0 mcg/dL

PENTACARBOXYLPORPHYRINS
< or =1.0 mcg/dL

COPROPORPHYRINS (tetracarboxyl)
< or =1.0 mcg/dL

PROTOPORPHYRINS
< or =1.0 mcg/dL

SPECIMEN REQUIREMENTS:
Collection Container/Tube:
Preferred: Green top (heparin)
Acceptable: Lavender top (EDTA)
Submission Container/Tube: Amber vial (Supply T192)
Specimen Volume: 3 mL
Collection Instructions:
1. Patient should abstain from alcohol for 24 hours.
2. Send specimen in amber vial to protect from light.

Additional Information: Include a list of medications the patient is currently taking.
Forms: New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

CAUTIONS: Porphyrins in plasma are extremely sensitive to light and temperature and may degrade to normal levels if not collected, stored or shipped properly. Send specimen frozen in amber vial (Supply T192) to protect from light.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Plasma	Frozen	7 days

LIST FEE: $158.58

The following test(s) may be added per the testing algorithm:
$234.92 for PFP, Porphyrins, Fractionation, Plasma

CPT CODE: 84311-Porphyrins, Total
82492-Porphyrins, Fractionation (if appropriate)

DAY(S) SET UP: Monday through Friday

ANALYTIC TIME: 2 days (not reported Saturday or Sunday)

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Leah Saint-Fort, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710