
Reporting Title: Protoporphyrins, Fractionation, WB**Performing Location:** Rochester**Ordering Guidance:**

This test is for assessment for protoporphyria. The preferred test for lead toxicity in children is blood lead. For more information see PBDV / Lead, Venous with Demographics, Blood or PBDC / Lead, Capillary, with Demographics, Blood. The preferred screening test for suspicion of a hepatic porphyria is urine porphyrins. For more information see PQNRU / Porphyrins, Quantitative, Random, Urine.

Necessary Information:

Include a list of medications the patient is currently taking.

Specimen Requirements:

All porphyrin tests on whole blood can be performed on 1 tube.

Patient Preparation: Patient should abstain from alcohol for 24 hours prior to specimen collection.

Container/Tube:

Preferred: Green top (sodium heparin)

Acceptable: Dark blue top (metal free heparin), green top (lithium heparin), or lavender top (EDTA)

Specimen Volume: 4 mL

Collection Instructions: Refrigerate specimen as soon as possible.

Specimen Minimum Volume:

3 mL

Forms:

If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

| Specimen Type | Temperature | Time | Special Container |
|---------------|--------------|--------|-------------------|
| Whole blood | Refrigerated | 7 days | |

Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|-----------|-------------------------------|--------------|--------|---------|
| 2327 | Zinc-Complexed Protoporphyrin | Alphanumeric | mcg/dL | 2895-1 |
| 2326 | Free Protoporphyrin | Alphanumeric | mcg/dL | 94491-8 |
| 29511 | Interpretation | Alphanumeric | | 59462-2 |

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82542

Reference Values:

FREE PROTOPORPHYRIN

<20 mcg/dL

ZINC-COMPLEXED PROTOPORPHYRIN

<60 mcg/dL