

**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.

**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:**

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FREE PROTOPORPHYRIN

<20 mcg/dL

ZINC-COMPLEXED PROTOPORPHYRIN

<60 mcg/dL