

Reporting Title: Porphyrins Evaluation, WB**Performing Location:** Rochester**Ordering Guidance:**

This is the preferred test for assessment for protoporphyria. The preferred test for assessing 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 collection 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), lavender top (EDTA)

Specimen Volume: 4 mL

Collection Instructions: Immediately place specimen on wet ice.

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®
88886	Total Porphyrins, WB	Alphanumeric	mcg/dL	2814-2
29356	Interpretation	Alphanumeric		59462-2

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

84311
82542-if appropriate

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PPFE	Protoporphyrins, Fractionation, WB			No	Yes

Result Codes for Reflex Tests:

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

Reference Values:

PORPHYRINS, TOTAL, RBC
<80 mcg/dL