Test Definition: PEE

Porphyrins Evaluation, Whole Blood

Reporting Title: Porphyrins Evaluation, WB
Performing Location: Rochester

Specimen Requirements:

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

Specimen must arrive within 72 hours of draw. If specimen cannot arrive within 72 hours, order PEWE / Porphyrins Evaluation, Washed Erythrocytes.

Container/Tube:
Preferred: Green top (sodium heparin)
Acceptable: Metal free, lavender top (EDTA) or green top (lithium heparin)
Specimen Volume: Full tube
Collection Instructions:
1. Patient should abstain from alcohol for 24 hours.
2. Immediately place specimen on wet ice.
Additional Information: Include a list of medications the patient is currently taking.
Forms:
1. 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.
2. If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Specimen Type	Temperature	Time
Whole blood	Refrigerated	72 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
88886	Total Porphyrins, WB	Numeric	mcg/dL	2814-2
29356	Interpretation	Alphanumeric		59462-2

CPT Code: 1 × 84311

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PFR	Porphyrins, Fractionation	1	82492	No	No

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PPFR	Protoporphyrins, Fractionation	1	84202	No	Yes (order #8739)

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
PFR	2340	Uroporphyrin	Numeric	mcg/dL	14180-4
PFR	2341	Heptacarboxyl Porphyrins	Numeric	mcg/dL	9446-6
PFR	2346	Hexacarboxyl Porphyrins	Numeric	mcg/dL	16963-1
PFR	2347	Pentacarboxyl Porphyrins	Numeric	mcg/dL	18250-1
PFR	2329	Coproporphyrin	Numeric	mcg/dL	18257-6
PFR	2328	Protoporphyrin	Numeric	mcg/dL	2896-9
PFR	29355	Interpretation	Alphanumeric		59462-2
PPFR	2327	Zinc-Complexed Protoporphyrin	Numeric	mcg/dL	33007-6
PPFR	2326	Free Protoporphyrin	Numeric	mcg/dL	2892-8
PPFR	28434	Interpretation	Alphanumeric		59462-2

Reference Values:

PORPHYRINS, TOTAL, RBC
<80 mcg/dL packed cells

FREE PROTOPORPHYRIN
<20 mcg/dL packed cells

ZINC-COMPLEXED PROTOPORPHYRIN
<60 mcg/dL packed cells

UROPORPHYRIN
< or =2 mcg/dL packed cells

HEPTACARBOXYLPORPHYRIN
< or =1 mcg/dL packed cells

HEXACARBOXYLPORPHYRIN
< or =1 mcg/dL packed cells

PENTACARBOXYLPORPHYRIN
< or =1 mcg/dL packed cells

COPROPORPHYRIN
< or =2 mcg/dL packed cells

PROTOPORPHYRIN
<80 mcg/dL packed cells