

PORPHYRINS
SCREEN AND
QUANTITATION
24-HOUR
URINE

Orderable - PORU24

Turn Around Time: 10 days



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Spectrophotometry and
HPLC



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)

Alternate Name(s):

Uroporphyrin III
Heptacarboxylic acid
Hexacarboxylic acid
Pentacarboxylic acid
Coproporphyrin I
Coproporphyrin III

Specimen:

24-hour urine collected with 5 g sodium carbonate. Containers with appropriate additives are obtained from the Core Laboratory.

Collection Information:

Collection of 24-Hour Urine Sample

Please complete the laboratory label attached to the collection bottle to include patient's name, collection start time and date, and collection end time and date.

This collection is not suitable for ALA/PBG testing. See "Porphyrin Precursors" for ALA/PBG testing.

Reference Ranges:

Reference Range Screen: Normal

Uroporphyrin III:	≤20 nmol/d
Heptacarboxylic Acid:	≤16 nmol/d
Hexacarboxylic Acid:	≤2 nmol/d
Pentacarboxylic Acid:	≤2 nmol/d
Coproporphyrin I:	5-90 nmol/d
Coproporphyrin III:	15-242 nmol/d
Copro III/Copro I ratio:	2.6-5.3



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Interpretation provided on report.

Reference intervals are for adults only and are not available for individuals 17 years of age or younger.

Special Processing:

Transfer an aliquot of at least 20 mL of the measured urine to a sterile container. Final pH should be 7-10. Keep aliquot protected from light. If wrapped with foil, specimen must be labelled inside and outside of the light-protecting wrap. Store and ship urine aliquot frozen. Indicate the 24-hour total volume (in L) and collection date.

Storage and Shipment:

Store and ship urine aliquot frozen and protected from light.

Comments:

Screen will be performed first. Quantitation will automatically be performed (and billed) if preliminary screen is positive.