

PORPHYRINS  
SCREEN AND  
QUANTITATION  
RANDOM  
URINE

## Orderable - PORU

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  
Hexacarboic Acid  
Pentacarboxylic Acid  
Coproporphyrin I  
Coproporphyrin III

### Specimen:

Random Urine

### Collection Information:

Collect urine in a sterile container with no preservative. Protect from light and send to the lab as soon as possible.

Minimum volume of urine required is 20 mL.


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

### Reference Ranges:

Reference Range Screen: Normal

Uroporphyrin III:	<= 2.0 umol/mol cr
Heptacarboxylic Acid:	<= 1.3 umol/mol cr
Hexacarboic Acid:	<= 0.7 umol/mol cr
Pentacarboxylic Acid:	<= 1.0 umol/mol cr
Coproporphyrin I:	0.3-8.5 umol/mol cr
Coproporphyrin III:	1.7-26.3 umol/mol cr
Copro III/Copro I ratio:	2.6-5.3

Interpretation provided on report.



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

**Special Processing:**

pH should be adjusted to 8-10 with sodium carbonate immediately upon receipt in the lab. Keep specimen protected from light. Store and ship urine frozen.

**Comments:**

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

**Storage and Shipment:**

Store and ship urine frozen and protected from light.