PORPHYRINS
SCREEN AND
QUANTITATION
RANDOM
URINE

Orderable - PORU
Turnaround Time: 10 days

Alternate Name(s):

Uroporphyrin III
Heptacarboxylic Acid
Hexacarbolic 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:

Screen: Normal

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<table>
<thead>
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<tbody>
<tr>
<td>Uroporphyrin III</td>
<td>≤2.0 nmol/mmol Cr</td>
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<tr>
<td>Heptacarboxylic Acid</td>
<td>≤1.3 nmol/mmol Cr</td>
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<tr>
<td>Hexacarbolic Acid</td>
<td>≤0.7 nmol/mmol Cr</td>
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<tr>
<td>Pentacarboxylic Acid</td>
<td>≤1.0 nmol/mmol Cr</td>
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<tr>
<td>Coproporphyrin I</td>
<td>0.3-8.5 nmol/mmol Cr</td>
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<tr>
<td>Coproporphyrin III</td>
<td>1.7-26.3 nmol/mmol Cr</td>
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<tr>
<td>Copro III/Copro I ratio</td>
<td>2.6-5.3</td>
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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:**

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.