

# Porphyrins, Quantitative, Random Urine

## Number

120980

## CPT

84120

## Related Information

- [Aminolevulinic Acid, Delta, 24-Hour Urine](#)
- [Aminolevulinic Acid, Delta, Random Urine](#)
- [Porphyrins, Quantitative, 24-Hour Urine](#)
- [Urine Testing: Preservative Quick Reference Chart](#)

## Synonyms

Coproporphyrin ; Uroporphyrin

## Test Includes

Coproporphyrins I and III; uroporphyrins; hepatocoxylporphyrins; hexacarboxylporphyrins; pentacarboxylporphyrins

## Specimen

Urine (random); **protected from light**

## Volume

25 mL

## Minimum Volume

5 mL

## Container

Amber plastic urine container; **no** preservative or 5 g/L sodium carbonate ( $\text{Na}_2\text{CO}_3$ ) is acceptable. Do **not** use acid preservative.

## Collection

Use amber plastic urine cup and amber top; order LabCorp N<sup>o</sup> 20656. (If amber cups are unavailable, cover plastic container completely, top and bottom, with aluminum foil. Identify specimen with patient name directly on the container **and** on the outside of the aluminum foil. Secure with tape.)

## Storage Instructions

Refrigerate and **protect from light**.

## Causes for Rejection

Stored specimen not refrigerated; specimen exposed to light; acid preservative; pH <3

## Reference Interval

- Coproporphyrin I: 0-15 µg/L
- Coproporphyrin III: 0-49 µg/L
- Heptacarboxylporphyrins: 0-2 µg/L
- Hexacarboxylporphyrins: 0-1 µg/L
- Pentacarboxylporphyrins: 0-2 µg/L
- Uroporphyrins: 0-20 µg/L

## Use

For initial evaluation of porphyrias. Use quantitative 24-hour porphyrins to follow up random

urine abnormal results. See [Porphyrins, Quantitative, 24-Hour Urine \[003194\]](#).

**Limitations**

See [Porphyrins, Quantitative, 24-Hour Urine \[003194\]](#).

**Methodology**

High-pressure liquid chromatography (HPLC) with fluorometric detection

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