Test Definition: PQNU

Porphyrins, Quantitative, Urine

Reporting Title: Porphyrins, QN, U
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Amber, 60-mL urine bottle (Supply T596)
Specimen Volume: 20-50 mL
Collection Instructions:
1. Patient should abstain from alcohol for 24 hours prior to, as well as during, collection.
2. Collect a 24-hour urine specimen.
3. Add 5 g of sodium carbonate (Supply T272) as preservative at start of collection. This preservative is intended to achieve a pH of >7. Do not substitute sodium bicarbonate for sodium carbonate.
4. The container should be refrigerated and protected from light as much as possible during collection.
5. Protect specimen from light.
Additional Information:
1. 24-Hour volume is required.
2. Collection date and time should be documented upon completion of the 24-hour collection.
3. Include a list of medications the patient is currently taking.
4. The pH will generally fall between 7 and 10 if the proper preservative (5 g sodium carbonate) was added to the container before the collection was started.
5. See Urine Preservatives in Special Instructions for multiple collections.
Forms: If not ordering electronically, submit a Biochemical Genetics Request Form (Supply T439) with the specimen.

Urine Preservative Collection Options
Ambient No
Refrigerate No
Frozen No
6N HCl No
50% Acetic Acid No
Na2CO3 Required**
Toluene No
6N HNO3 No
Boric Acid No
Thymol No
**Protect specimen from light.

Specimen Type	Temperature	Time
Urine	Frozen	7 days

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
PQNU	TM3	Collection Duration	Plain Text	Yes
PQNU	VL1	Urine Volume	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TM3	Collection Duration	Alphanumeric		13362-9
VL1	Urine Volume	Alphanumeric		3167-4
29357	Uroporphyrin, Octa	Numeric	nmol/24 h	15096-1
29358	Heptacarboxylporphyrins	Numeric	nmol/24 h	25434-2
29359	Hexacarboxylporphyrins	Numeric	nmol/24 h	25438-3
29360	Pentacarboxylporphyrins	Numeric	nmol/24 h	25494-6
29361	Coproporphyrin, Tetra	Numeric	nmol/24 h	15041-7
29362	Porphobilinogen	Numeric	mcmol/24 h	14882-5
23403	Interpretation	Alphanumeric		59462-2

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Quantitative	1	84110		
Billing only	Quantitation and Fraction	1	84120		

Reference Values:

UROPORPHYRINS (octacarboxyl)
< or =30 nmol/24 hours

HEPTACARBOXYLPORPHYRINS
< or =9 nmol/24 hours

HEXACARBOXYLPORPHYRINS
< or =8 nmol/24 hours

PENTACARBOXYLPORPHYRINS
< or =10 nmol/24 hours

COPROPORPHYRINS (tetracarboxyl)
Males: < or =230 nmol/24 hours
Females: < or =168 nmol/24 hours

PORPHOBILINOGEN
< or =2.2 mcmol/24 hours