TEST CHANGE

Porphobilinogen (PBG), Urine

0080260, PBGQT

Specimen Requirements:	
Patient Preparation:	
Collect:	Random or 24-hour urine. Refrigerate 24-hour specimens during collection.
Specimen Preparation:	Protect from light. Transfer 2~~8~~ mL aliquot from a random or well-mixed 24-hour collection to ARUP amber transport tubes.~~Amber Transport Tubes.~~ (Min: 1~~3~~.5 mL) Record total volume and collection time interval on transport tube and test request form.
Transport Temperature:	Frozen.
Unacceptable Conditions:	Body fluids other than urine.
Remarks:	
Stability:	Ambient: Unacceptable; Refrigerated: 1 week~~4 days~~; Frozen: 1 month
Methodology:	Quantitative Ion Exchange Chromatography/Spectrophotometry
Performed:	Sun-Sat~~Mon-Fri~~
Reported:	1-5~~4~~ days
Note:	Appropriate test to rule out acute intermittent porphyria (AIP) and other acute attack types of porphyrias associated with neurologic and/or psychiatric symptoms.
CPT Codes:	84110
New York DOH Approval Status:	This test is New York DOH approved.

Interpretive Data:

Porphobilinogen (PBG), Urine

Results for random urine specimens are normalized to creatinine (CRT) concentration and reported as a ratio of amounts (millimoles of PBG/mole of creatinine).

Porphobilinogen (PBG) in a random urine specimen is used to evaluate an attack of acute porphyria. Slight increases in urinary PBG are associated with acute porphyrias other than acute

intermittent porphyria (AIP) and may indicate a resolving or treated acute porphyria.

Urinary PBG in excess of two times the upper reference limit is consistent with acute porphyria.

Per 24h calculations are provided to aid interpretation for collections with a duration of 24 hours and an average daily urine volume. For specimens with notable deviations in collection time or volume, ratios of analytes to a corresponding urine creatinine concentration may assist in result interpretation.

~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.~~

Reference Interval:

Test Number	Components	Reference Interval
	Creatinine, Urine - per 24h	
		Age / Male (mg/d) / Female (mg/d) 3-8 years / 140-700 / 140-700 9-12 years / 300-1300 / 300-1300 13-17 years / 500-2300 / 400-1600 18-50 years / 1000-2500 / 700-1600 51-80 years / 800-2100 / 500-1400 81 years and older / 600-2000 / 400-1300
	Porphobilinogen, Urine - per 24h	0.4 - 1.5~~0-11.0~~ µmol/d
	Porphobilinogen~~, (PBG),~~ Urine - ratio to CRT~~per volume~~	0.0 - 0.2 mmol/mol CRT~~-8.8 µmol/L~~

HOTLINE NOTE: There is a component change associated with this test. One or more components have been added or removed. Refer to the Hotline Test Mix for interface build information.