



Requisition #:	9900001	Physician Name:	NO PHYSICIAN
Patient Name:	Sample	Date of Collection:	11/24/2021
Patient Age:	40	Time of Collection:	08:00 AM
Sex:	F	Print Date:	12/01/2021

Urine Porphyrins

Compound	Results		Range		
	nmol/L	nmol/g CREAT	nmol/g CREAT		
Uroporphyrins (UP)	6.0	3.2	0	-	24
Heptacarboxy (7-CP)	6.4	3.3	0	-	13
Hexacarboxy (6-CP)	8.1	4.2	0	-	4
Pentacarboxy (5-CP)	11.4	6.0	0	-	10
Precoproporphyrin (PreCP)	6.0	3.2	0	-	9
Coproporphyrins I, III (CP)	24.4	12.9	0	-	153

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CREAT (Creatinine) 1.90 g/L

Interpretation:

- > High levels of 5-CP, PreCP and CP have been associated with Hg exposure 1, 2, 3
- > High levels of 6-CP, 5-CP, PreCP and CP were found in Autistic children 4
- > High levels of UP, and CP have been associated with As, Pb exposure 5
- > High levels of UP suggestive of Aluminum exposure 6
- > High levels of UP, and 7-CP strongly increased in Porphyria cutanea tarda 7
- > High levels of UP, CP strongly increased in either acute intermittent porphyria or porphyria variegata 7, 8
- > High levels of porphyrins may be caused by genetics, numerous environmental chemicals, drugs, diseases, and alcohol 7, 8

1 Woods, J.S, Bowers, M.A, and Davis, H.A. Toxicol. Appl. Pharmacol. 110, 464-476 (1991)

2 Woods, J.S, Martin, M.D., Naleway, C.A., and Echeverria, D. J. Toxicol. Environ. Health, 40:235-246 (1993).

3 Woods, J.S. Can. J. Physiol. Pharmacol. 74:210-215 (1996)

4 Nataf, R, Skorupka, C, Amet, L, Lam, A, Springbett, A and Lathe, R. Toxicol. And Applied Pharmacol. 214: 99-108 (2006)

5 Fowler, B. A and Mahaffey, K.R. Environ. Health Perspec. 25:87-90 (1978)

6 Nasiadek M , Chmielnicka J, Subdys J.,Ecotoxicol Environ Saf. 48:11-17 (2001)

7 Doss, M.O, Kuhnel, A, and Gross, U. Alcohol Alcoholism 35: 109-125 (2000)

8 Elder, G.H, Gray, C. H, and Nicholson, D.C. J. Clin. Path., 25:1013-1033 (1972)