

24 HOUR URINE TOXIC METALS



The Great Plains Laboratory, Inc.

William Shaw, Ph.D. Director

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LAB#:

PATIENT:

ID:

SEX:

AGE:

POTENTIALLY TOXIC METALS

METALS	RESULT µg/g CREAT	REFERENCE RANGE	RESULT µg/24 HOUR	REFERENCE RANGE	WITHIN REF. RANGE	ELEVATED	VERY ELEVATED
Aluminum	< dl	< 35	< dl	< 30			
Antimony	< dl	< 1	< dl	< 1			
Arsenic	8.6	< 130	13	< 140			
Beryllium	< dl	< 0.5	< dl	< 0.6			
Bismuth	< dl	< 15	< dl	< 15			
Cadmium	0.2	< 2	0.4	< 2			
Lead	< dl	< 5	< dl	< 5			
Mercury	1	< 4	1.5	< 5			
Nickel	3.1	< 12	4.8	< 15			
Platinum	< dl	< 1	< dl	< 1			
Thallium	0.08	< 0.8	0.1	< 0.7			
Thorium	< dl	< 0.3	< dl	< 0.3			
Tin	< dl	< 10	< dl	< 9			
Tungsten	< dl	< 1	< dl	< 0.9			
Uranium	< dl	< 0.2	< dl	< 0.2			

CREATININE

	RESULT mg/24 hr	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	1530	600- 1900					

SPECIMEN DATA

Comments:

Date Collected:

Date Received:

Date Completed:

Method:

<dl:

Provoking Agent:

Collection Period:

Volume:

Provocation:

Toxic metals are reported as µg/g creatinine and µg/24 hour to account for urine dilution variations. **Reference ranges are representative of a healthy population under non-challenge or non-provoked conditions.** No safe reference levels for toxic metals have been established.

V10.00

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24 HOUR URINE ESSENTIAL ELEMENTS



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ESSENTIAL ELEMENTS

ELEMENTS	RESULT μg/mg CREAT	REFERENCE RANGE	RESULT mg/24 HOUR	REFERENCE RANGE	PERCENTILE				
					2.5 th	16 th	50 th	84 th	97.5 th
Sodium	2980	1000- 5200	4550	1200- 6100					
Potassium	1540	850- 3200	2350	880- 3760					
Phosphorus	740	250- 1300	1130	220- 1500					
Calcium	160	55- 400	240	55- 360					
Magnesium	65	45- 230	98	40- 230					
Zinc	0.19	0.1- 2	0.29	0.12- 1.5					
Copper	0.005	0.01- 0.09	0.008	0.011- 0.08					
Sulfur	500	280- 1500	760	280- 1500					
Manganese	0.001	0.0005- 0.01	0.002	0.0008- 0.008					
Molybdenum	0.027	0.016- 0.18	0.041	0.02- 0.18					
Boron	0.64	0.8- 5.7	0.98	0.9- 6					
Chromium	0.091	0.01- 0.15	0.14	0.02- 0.13					
Lithium	0.011	0.008- 0.2	0.017	0.008- 0.15					
Selenium	0.07	0.05- 0.35	0.11	0.05- 0.39					
Strontium	0.17	0.06- 0.45	0.27	0.05- 0.44					
Vanadium	0.025	0.004- 0.045	0.038	0.005- 0.04					
					68 th 95 th				
Barium	0.003	< 0.015	0.004	< 0.018					
Cobalt	0.0003	< 0.04	0.0005	< 0.04					
Iron	< dl	< 0.45	< dl	< 0.45					
Zirconium	< dl	< 0.005	< dl	< 0.005					

CREATININE

	RESULT mg/24 hr	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	1530	600- 1900					

SPECIMEN DATA

Comments:

Date Collected:

Date Received:

Date Completed:

Method:

<dl:

Provoking Agent:

Collection Period:

Volume:

Provocation:

Essential elements are reported as μg/mg creatinine and mg/24 hour to account for urine dilution variations. **Reference ranges are representative of a healthy population under non-challenge or non-provoked conditions.** Detoxification therapies can cause significant elevations of certain essential element levels (e.g. Cu, Zn). V07.02

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