

URINE TOXIC METALS



LAB #: U000000-0000-0
PATIENT: Sample Patient
ID: PATIENT-S-00006
SEX: Male
AGE: 8

CLIENT#: 12345
DOCTOR:
 Doctor's Data, Inc.
 3755 Illinois Ave
 St. Charles, IL 60174

POTENTIALLY TOXIC METALS

METALS	RESULT µg/g crt	REFERENCE RANGE	WITHIN REFERENCE RANGE	ELEVATED	VERY ELEVATED
Aluminum	25	< 60			
Antimony	0.08	< 0.5			
Arsenic	14	< 130			
Barium	1.7	< 24			
Beryllium	< dl	< 0.6			
Bismuth	1.7	< 20			
Cadmium	1.3	< 0.5			
Cesium	4	< 12			
Gadolinium	0.08	< 0.4			
Lead	10	< 5			
Mercury	0.4	< 5			
Nickel	9.5	< 15			
Palladium	0.08	< 0.1			
Platinum	< dl	< 1			
Tellurium	< dl	< 0.3			
Thallium	0.2	< 0.4			
Thorium	0.008	< 0.5			
Tin	1.3	< 15			
Titanium	5	< 15			
Tungsten	0.08	< 0.6			
Uranium	0.08	< 0.04			

URINE CREATININE

	RESULT mg/dL	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	119	25- 180					

SPECIMEN DATA

Comments:
 Date Collected: 9/5/2009 pH Upon Receipt: 7.5 Collection Period: Random
 Date Received: 9/7/2009 <dl: less than detection limit Volume: 1000 ml
 Date Completed: 9/9/2009 Provoking Agent: EDTA Provocation: POST PROVOCATIVE
Method: ICP-MS

Toxic metals are reported as µg/g creatinine 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.

V12

URINE ESSENTIAL ELEMENTS



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ESSENTIAL ELEMENTS

ELEMENTS	RESULT mEq/mg crt	REFERENCE RANGE	PERCENTILE					
			2.5 th	16 th	50 th	84 th	97.5 th	
Sodium	210	43.5- 348						
Potassium	130	26- 180						
	$\mu\text{g}/\text{mg crt}$							
Phosphorus	540	350- 1700						
Calcium	160	45- 300						
Magnesium	34	40- 300						
Zinc	21	0.15- 2.5						
Copper	0.042	0.012- 0.12						
Sulfur	580	280- 1800						
Manganese	0.051	0.0005- 0.02						
Molybdenum	0.03	0.02- 0.25						
Boron	2	0.8- 7						
Chromium	0.004	0.0005- 0.01						
Selenium	0.057	0.05- 0.4						
Strontium	0.19	0.06- 0.4						
Vanadium	0.004	0.0002- 0.008						
					68 th		95 th	
Cobalt	0.0008	< 0.03						
Iron	1.5	< 0.6						

URINE CREATININE

	RESULT mg/dL	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	119	25- 180					

SPECIMEN DATA

Comments:

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 Date Received: 9/7/2009 <dI: less than detection limit Volume: 1000 ml
 Date Completed: 9/9/2009 Provoking Agent: EDTA Provocation: POST PROVOCATIVE
 Method: ISE; Na, K Spectrophotometry; Ca, Mg, P ICP-MS; B, Cr, Co, Cu, Fe, Mn, Mo, Se, Sr, S, V, Zn

Essential elements are reported as $\mu\text{g}/\text{mg}$ creatinine 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).

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