



Toxic Element Clearance Profile (Urine) - Ratio to Creatinine



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Asheville, NC 28801
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Patient:

Order Number:

Toxic Elements			
Results in µg/g creatinine			
Element	Reference Range	TMPL	Reference Range**
Lead	9.3		<= 1.4
Mercury	5.68		<= 2.19
Aluminum	17.9		<= 22.3
Antimony	0.043		<= 0.149
Arsenic	2		<= 50
Barium	1.8		<= 6.7
Bismuth	<dl		<= 2.28
Cadmium	0.37		<= 0.64
Cesium	4.5		<= 10.5
Gadolinium	0.011		<= 0.019
Gallium	0.016		<= 0.028
Nickel	<dl		<= 3.88
Niobium	<dl		<= 0.084
Platinum	<dl		<= 0.033
Rubidium	1,037		<= 2,263
Thallium	0.178		<= 0.298
Thorium	<dl		<= 4.189
Tin	0.51		<= 2.04
Tungsten	0.048		<= 0.211
Uranium	<dl		<= 0.026

Sulfur		
Results in mg/g creatinine		
Element	Reference Range	Reference Range**
Sulfur *	510	367-1,328

* Elevated sulfur may indicate the presence of a chelating agent.

Creatinine Concentration	
Urine Creatinine ♦	92.92 23.00-205.00 mg/dL

Collection Information	
Urine Total Volume (in milliliters):	550.0
Length of Collection: (in hours)	6.0
Provocation Comment:	
Post-provocation laboratory results.	

TMPL

Tentative Maximum Permissible Limit (TMPL) - Element excretion is significantly elevated, consistent with increased body burden. Increased element concentrations can have a negative impact on overall health and well-being. These values are derived from Casaret and Doull's **Toxicology: The Basic Science of Poisons**, 5th Ed. 1996 McGraw Hill NY, NY p 997-998. Units have been standardized.

**Reference ranges are representative of a healthy population under non-challenged or non-provoked conditions.

The performance characteristics of all assays have been verified by Genova Diagnostics, Inc. Unless otherwise noted with ♦, the assay has not been cleared by the U.S. Food and Drug Administration.