

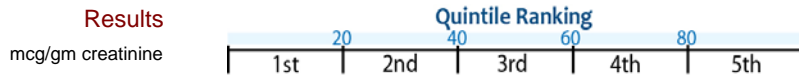
Ordering Physician:
Robert David, PhD
3425 Corporate Way
Duluth, GA 30096



0152 Toxic Elements - 6-8 Hour Urine - Chelated

Methodology: Gas Chromatography/Mass Spectrometry

Chelating Agent: EDTA



Non-Chelated 95% Reference Range
Chelated 95% Reference Range

Toxic Elements

Element	Result	Quintile Ranking	Non-Chelated 95% Reference Range	Chelated 95% Reference Range
1. Aluminum	<DL	1st	<= 10.0	<= 61.0
2. Arsenic	6	2nd	<= 136	<= 160
3. Cadmium	0.99	4th	<= 0.77	<= 3.28
4. Lead	3.5	3rd	<= 2.7	<= 30.0
5. Mercury	4.8	4th	<= 3.2	<= 29.7
6. Thallium	0.19	2nd	<= 0.83	<= 1.04

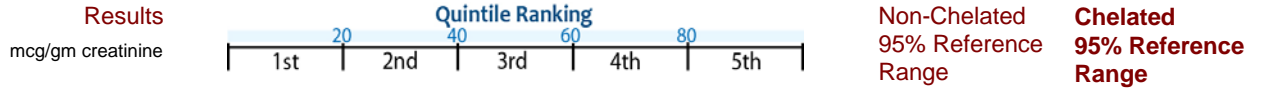
Potentially Toxic and Rare Earth Elements

7. Antimony	<DL	1st	<= 0.21	<= 0.55
8. Barium	0.3	2nd	<= 11.9	<= 24.3
9. Bismuth	<DL	1st	<= 0.71	<= 2.50
10. Cerium*	<DL	1st	<= 0.11	<= 0.31
11. Cesium	4.2	3rd	<= 11.9	<= 15.7
12. Europium*	<DL	1st	<= 0.006	<= 0.025
13. Holmium*	<DL	1st	<= 0.003	<= 0.050
14. Indium	<DL	1st	<= 0.028	<= 0.034
15. Niobium	<DL	1st	<= 0.055	<= 0.031
16. Palladium	<DL	1st	<= 0.32	<= 0.94
17. Platinum	<DL	1st	<= 1.0	<= 2.7

0152 Toxic Elements - 6-8 Hour Urine - Chelated

Methodology: Gas Chromatography/Mass Spectrometry

Chelating Agent: EDTA



Potentially Toxic and Rare Earth Elements

Element	Results (mcg/gm creatinine)	Quintile Ranking	Non-Chelated 95% Reference Range	Chelated 95% Reference Range
18. Rubidium**	1.7	~35	<= 3.18	<= 4.62
19. Samarium*	<DL	< 1st	<= 0.02	<= 0.08
20. Tantalum	<DL	< 1st	<= 0.05	<= 0.01
21. Tellurium	<DL	< 1st	<= 0.77	<= 0.86
22. Terbium*	<DL	< 1st	<= 0.01	<= 0.02
23. Thorium	<DL	< 1st	<= 0.02	<= 0.02
24. Thulium*	<DL	< 1st	<= 0.006	<= 0.021
25. Tin	0.55	~55	<= 6.3	<= 12.6
26. Tungsten	0.02	~15	<= 0.55	<= 0.45
27. Uranium	0.008	~75	<= 0.027	<= 0.118
28. Zirconium	<DL	< 1st	<= 0.50	<= 0.50

Elements of Uncertain Human Requirement

Element	Results	Quintile Ranking	Reference Range	Chelated Reference Range
29. Boron**	1.3	~35	0.1-5.4	0.1-6.7
30. Lithium	17	~25	6-157	2-231
31. Nickel	4.5	~75	0.4-7.2	0.1-8.1
32. Strontium	31 L	~15	19-433	12-683
33. Vanadium	6.9 H	~85	<= 0.61	<= 1.25

Creatinine = 158 mg/dL

<DL = less than detection limit

*Rare Earth Element

**Boron and rubidium are reported in mcg/mg creatinine.

Chelated ranges were created by pooling samples received from patients that were provoked with DMSA, EDTA, or other chelating agents.