

# Without Provocation

## URINE TOXIC METALS



LAB #: U101208-2308-1  
 PATIENT:  
 ID:  
 SEX: Male  
 AGE: 69

CLIENT#: 32029  
 DOCTOR: Michael Cheikin, MD  
 Wynd Moore Rehab Association  
 832 Germantown Pike 3  
 Plymouth Meeting, PA 19462 USA

### POTENTIALLY TOXIC METALS

METALS	RESULT µg/g creat	REFERENCE RANGE	WITHIN REFERENCE RANGE	ELEVATED	VERY ELEVATED
Aluminum	< dl	< 25			
Antimony	< dl	< 0.3			
Arsenic	13	< 108			
Barium	2.6	< 7			
Beryllium	< dl	< 0.5			
Bismuth	< dl	< 10			
Cadmium	0.4	< 0.8			
Cesium	4	< 9			
Gadolinium	< dl	< 0.3			
Lead	0.4	< 2			
Mercury	0.7	< 3			
Nickel	5.5	< 10			
Palladium	< dl	< 0.3			
Platinum	< dl	< 1			
Tellurium	< dl	< 0.3			
Thallium	0.2	< 0.5			
Thorium	< dl	< 0.03			
Tin	0.4	< 9			
Titanium	N/A	< 15			
Tungsten	< dl	< 0.4			
Uranium	< dl	< 0.03			

### URINE CREATININE

	RESULT mg/dL	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	74.7	45 - 225					

### SPECIMEN DATA

Comments:  
 Date Collected: 12/5/2010 pH upon receipt: **Acceptable** Collection Period: **Random**  
 Date Received: 12/8/2010 <dl: **less than detection limit** Volume:  
 Date Completed: 12/9/2010 Provoking Agent: Provocation:  
 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

# With Provocation

## URINE TOXIC METALS



LAB #: U101208-2303-1  
 PATIENT:  
 ID:  
 SEX: Male  
 AGE: 69

CLIENT#: 32029  
 DOCTOR: Michael Cheikin, MD  
 Wynd Moore Rehab Association  
 832 Germantown Pike 3  
 Plymouth Meeting, PA 19462 USA

### POTENTIALLY TOXIC METALS

METALS	RESULT µg/g creat	REFERENCE RANGE	WITHIN REFERENCE RANGE	ELEVATED	VERY ELEVATED
Aluminum	8.4	< 25			
Antimony	< dl	< 0.3			
Arsenic	13	< 108			
Barium	2.4	< 7			
Beryllium	< dl	< 0.5			
Bismuth	< dl	< 10			
Cadmium	0.5	< 0.8			
Cesium	6	< 9			
Gadolinium	< dl	< 0.3			
Lead	5.5	< 2			
Mercury	3.2	< 3			
Nickel	4.3	< 10			
Palladium	< dl	< 0.3			
Platinum	< dl	< 1			
Tellurium	< dl	< 0.3			
Thallium	0.4	< 0.5			
Thorium	< dl	< 0.03			
Tin	0.6	< 9			
Titanium	N/A	< 15			
Tungsten	< dl	< 0.4			
Uranium	< dl	< 0.03			

### URINE CREATININE

	RESULT mg/dL	REFERENCE RANGE	2SD LOW	1SD LOW	MEAN	1SD HIGH	2SD HIGH
Creatinine	24.8	45 - 225					

### SPECIMEN DATA

Comments:  
 Date Collected: 12/5/2010 pH upon receipt: **Acceptable** Collection Period: **timed: 9 hours**  
 Date Received: 12/8/2010 <dl: **less than detection limit** Volume:  
 Date Completed: 12/9/2010 Provoking Agent: **DMSA** 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