

SAMPLE REPORT

EXPLANATION OF DATA AND GRAPHIC

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MINERAL ANALYSIS

DMSA Urine

Doctor: Physician
 Patient Name: Patient Name
 Clinical Information: DMSA oral 500mg
 Creatinine (g/l) * 0.490

Lab Number: 1UA167000
 Sex: f
 Test Date: 5/5/2016
 Age: 36
 Page: 1/1

Essential Trace Elements (mcg/g Creatinine)	Baseline URINE Norm	Chelator-specific orientation range	Test Value	Graphic
Chromium	0.550 --- 4.830		0.500	↓
Iodine	< 719.000		75.961	
Manganese	< 4.500		18.930	↑
Essential Macro- & Trace Elements (mg/g Creatinine)				
Zinc	0.060 --- 0.780		0.435	
Trace Elements (mcg/g Creatinine)				
Boron	< 3,766.000		982.155	
Strontium	< 200.000		62.051	
Potentially Toxic Elements (mcg/g Creatinine)				
Aluminum	< 40.000		97.279	↑
Barium	< 5.700		4.016	
Cadmium	< 0.800		0.717	
Cesium	< 11.000		5.820	
Gadolinium	< 0.230	10.000	15.489	↑
Lead	< 5.000	2.800	23.116	↑
Mercury	< 1.000	5.000	11.587	↑
Nickel	< 3.000		< DL	
Palladium	< 1.400		< DL	
Silver	< 1.400		0.457	
Thallium	< 0.600		0.615	
Tin	< 2.000			

n.n. = not detected, < DL = below Detection Limit
 Accreditation: DIN EN ISO 17025; Quality control: Dipl. Ing. Friedle, Ing. J. Merz, Dr. Rauland; Validation: Dr. E. Blaurock-Busch



High Values

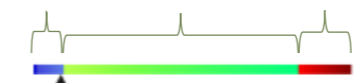
Identifies values above the reference range



Low Values

Identifies values below the reference range

Low Norm High

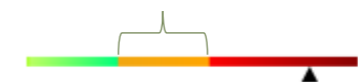


Identifies patient test value



Identifies test values below the limit of quantitation

If the report shows n.n. as a test value, this indicates that the element could not be detected.
 If the reports shows as a test value of <DL, this indicates that the value detected was lower than the detection limit.



Color ID

Green = result within Reference Range for baseline urine
 Orange = result between Reference Range and Orientation Range
 Red = result above high limit.

For more information about Reference and Orientation Range see next page.

REFERENCE RANGES



DEFINITION OF REFERENCE RANGES

The 95th percentile is generally the basis of reference ranges in human biomonitoring. In metal toxicology, it is a value or score representing 95% of a population, meaning 95 percent of that population fall within that range.

In laboratory diagnostics, the 95th percentile is generally used as the upper range; it is approximately 2 standard deviations from the mean. In clinical metal toxicology and biomonitoring, a test value exceeding this range is considered high, reflecting exposure in need of treatment.



Table 8. The Gaussian Curve

More information reference ranges is shown on our website under <http://www.microtraceminerals.com/en/diagnostic-humans/human-biomonitoring/> and <http://www.microtraceminerals.com/en/diagnostic-humans/urine/reference-ranges/> For any questions, please contact us.