

Patient: **SAMPLE**
PATIENT

DOB:
Sex:
MRN:

3527 Comprehensive Urine Element Profile - Ratio to Creatinine - Urine

Methodology: Alkaline Picrate, ICP-MS

Toxic Elements		Nutrient Elements	
Element	Reference Range	Element	Reference Range
Results in mcg/g creatinine		Results in mcg/g creatinine	
Lead	32.5 ≤ 1.4	Chromium	4.5 0.6-9.4
Mercury	71.52 ≤ 2.19	Cobalt	0.33 0.01-2.60
Aluminum	3.5 ≤ 22.3	Copper	328.7 4.0-11.4
Antimony	0.462 ≤ 0.149	Iron	<DL 5-64
Arsenic	22 ≤ 50	Lithium	15 9-129
Barium	0.3 ≤ 6.7	Manganese	0.79 0.03-1.16
Bismuth	4.86 ≤ 2.28	Molybdenum	15 15-175
Cadmium	2.06 ≤ 0.64	Selenium	53 32-333
Cesium	7.2 ≤ 10.5	Strontium	43 47-346
Gadolinium	0.025 ≤ 0.019	Vanadium	1.1 0.1-3.2
Gallium	0.025 ≤ 0.028	Zinc	1,626 63-688
Nickel	2.23 ≤ 3.88	Results in mg/g creatinine	
Niobium	<DL ≤ 0.084	Calcium	35 37-313
Platinum	<DL ≤ 0.033	Magnesium	63 41-267
Rubidium	2,303 ≤ 2,263	Potassium	3,993 759-4,653
Thallium	0.160 ≤ 0.298	Sulfur	713 367-1,328
Thorium	2.657 ≤ 4.189	Collection Information	
Tin	2.17 ≤ 2.04	Urine Total Volume (in milliliters):	278
Tungsten	<DL ≤ 0.211	Length of Collection (hours):	6.0
Uranium	<DL ≤ 0.026	Provocation Comment:	Post-provocation laboratory results.
Creatinine Concentration			
Creatinine	59.47 23.00-205.00 mg/dL	Elemental reference ranges were developed from a healthy population under non-provoked/nonchallenged conditions. Provocation with challenge substances may raise the urine level of some elements.	



Commentary

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.

For more information regarding Comprehensive Urine Element Profile clinical interpretation, please refer to our Toxic & Nutrient Element Chart at:

<https://www.gdx.net/core/supplemental-education-materials/Toxic-and-Nutrient-Elements-Chart.pdf>