



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

QM-U-Q2514

Biological matrix : Urine

Date of publication : 2030-01-23

Expiration date :

MATERIAL NUMBER	Biological matrix	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
QM-U-Q2514	Urine	Antimony	4.35	µg/L	0.0656	34
		Barium	8.03	µg/L	0.118	29
		Bismuth	5.54	µg/L	0.102	27
		Cadmium	13.7	µg/L	0.145	44
		Cesium	7.23	µg/L	0.0715	11
		Chromium	5.64	µg/L	0.0765	39
		Cobalt	4.05	µg/L	0.0393	46
		Manganese	0.335	µg/L	0.0226	27
		Mercury	94.4	µg/L	4.03	39
		Molybdenum	46.8	µg/L	0.748	33
		Nickel	8.79	µg/L	0.102	46
		Platinum	2.37	µg/L	0.0472	20
		Silver	6.77	µg/L	0.891	14
		Strontium	147	µg/L	3.45	20
		Tellurium	1.74	µg/L	0.102	13
		Thallium	65.2	µg/L	0.689	38
		Thorium	0.0843	µg/L	0.00854	9
		Tin	152	µg/L	2.34	32
		Titanium	16.8	µg/L	0.521	10
		Uranium	2.96	µg/L	0.0624	27
		Vanadium	8.21	µg/L	0.149	30
	Urine	Aluminum	92.8	µg/L	1.42	37
		Arsenic Arsenobetaine	1.52	µg/L	0.0847	5
		Arsenic DMAA	1.20	µg/L	0.00130	5
		Arsenic MAA	90.0	µg/L	2.07	8
		Arsenic sum As+3 As+5	0.238	µg/L	0.00540	3
		Beryllium	7.58	µg/L	0.0981	34
		Boron	594	µg/L	16.7	13
		Copper	363	µg/L	3.81	42
		Inorganic arsenic	89.5	µg/L	1.42	8
		Iodide	191	µg/L	3.16	29
		Lead	424	µg/L	6.99	45



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QM-U-Q2514	Urine	Lithium	597	µg/L	26.3	19
		Selenium	182	µg/L	3.82	34
		Total arsenic	93.9	µg/L	1.09	46
		Zinc	518	µg/L	6.29	32

* Standard uncertainty (µx): characteristic of the dispersion of results used to calculate the assigned value; expressed in the same format as the standard deviation.

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