



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

QM-U-Q2513

Biological matrix : Urine Date of publication : 2030-01-23
Expiration date :

MATERIAL NUMBER	Biological matrix	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
QM-U-Q2513	Urine	Antimony	1.16	µg/L	0.0164	33
		Barium	4.03	µg/L	0.0482	28
		Bismuth	2.91	µg/L	0.0724	26
		Cadmium	2.44	µg/L	0.0339	46
		Cesium	5.61	µg/L	0.0691	11
		Chromium	3.31	µg/L	0.0469	39
		Cobalt	4.04	µg/L	0.0442	46
		Manganese	2.42	µg/L	0.0421	37
		Mercury	14.1	µg/L	0.686	39
		Molybdenum	41.1	µg/L	0.690	34
		Nickel	2.77	µg/L	0.0678	41
		Platinum	3.57	µg/L	0.0781	21
		Silver	1.58	µg/L	0.269	13
		Strontium	384	µg/L	6.58	21
		Tellurium	3.85	µg/L	0.110	13
		Thallium	1.87	µg/L	0.0279	40
		Thorium	0.428	µg/L	0.0354	10
		Tin	2.45	µg/L	0.0401	33
		Titanium	13.9	µg/L	0.514	10
		Uranium	0.574	µg/L	0.0125	26
		Vanadium	4.38	µg/L	0.0791	30
	Urine	Aluminum	185	µg/L	2.49	38
		Arsenic Arsenobetaine	5.07	µg/L	0.107	5
		Arsenic As+3	16.9	µg/L	1.45	5
		Arsenic As+5	9.56	µg/L	0.153	5
		Arsenic DMAA	47.6	µg/L	0.919	8
		Arsenic MAA	8.58	µg/L	0.188	8
		Arsenic sum As+3 As+5	25.3	µg/L	0.879	7
		Beryllium	13.2	µg/L	0.211	34
		Boron	5200	µg/L	129	12
		Copper	46.1	µg/L	0.789	41
		Inorganic arsenic	79.6	µg/L	2.09	9



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QM-U-Q2513	Urine	Iodide	322	µg/L	4.60	29
		Lead	36.3	µg/L	0.505	47
		Lithium	66.4	µg/L	2.61	17
		Selenium	251	µg/L	3.64	34
		Total arsenic	86.4	µg/L	1.30	47
		Zinc	1500	µg/L	17.8	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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