



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

QM-U-Q2414

Biological matrix : Urine

Date of publication : 2029-03-11

Expiration date :

MATERIAL NUMBER	Biological matrix	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
QM-U-Q2414	Urine	Antimony	3.54	µg/L	0.0527	37
		Barium	3.06	µg/L	0.0443	32
		Bismuth	9.76	µg/L	0.223	26
		Cadmium	2.43	µg/L	0.0284	51
		Cesium	4.64	µg/L	0.0569	15
		Chromium	47.0	µg/L	0.700	45
		Cobalt	0.912	µg/L	0.0214	47
		Manganese	4.49	µg/L	0.0633	44
		Mercury	225	µg/L	4.93	40
		Molybdenum	89.0	µg/L	1.15	37
		Nickel	52.9	µg/L	0.715	53
		Platinum	2.26	µg/L	0.0566	21
		Silver	7.36	µg/L	0.516	16
		Strontium	99.5	µg/L	1.91	26
		Tellurium	0.905	µg/L	0.0876	17
		Thallium	11.6	µg/L	0.167	43
		Thorium	0.192	µg/L	0.0124	13
		Tin	67.9	µg/L	1.17	32
		Titanium	11.7	µg/L	0.732	11
		Uranium	1.27	µg/L	0.0167	31
		Vanadium	13.6	µg/L	0.237	34
	Urine	Aluminum	265	µg/L	4.43	40
		Arsenic Arsenobetaine	94.9	µg/L	0.805	5
		Arsenic DMAA	2.98	µg/L	0.0538	6
		Arsenic MAA	0.371	µg/L	0.0314	5
		Arsenic sum As+3 As+5	0.262	µg/L	0.0383	4
		Beryllium	6.99	µg/L	0.139	34
		Boron	1370	µg/L	56.7	11
		Copper	77.8	µg/L	1.84	46
		Inorganic arsenic	3.54	µg/L	0.0337	7
		Iodide	377	µg/L	6.75	30
		Lead	151	µg/L	1.73	53



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QM-U-Q2414	Urine	Lithium	21.5	µg/L	0.376	21
		Selenium	37.0	µg/L	1.43	36
		Total arsenic	101	µg/L	1.14	49
		Zinc	626	µg/L	6.70	42

* 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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