



Centre de toxicologie / INSPQ

Biological Reference Material

- Evaluation Report -

QM-U-Q2604

Biological matrix : Urine

Date of publication :
Expiration date : 2030-12-01

MATERIAL NUMBER	Biological matrix	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
QM-U-Q2604	Urine	Antimony	1.24	µg/L	0.0295	28
		Barium	6.77	µg/L	0.130	27
		Bismuth	2.97	µg/L	0.0756	21
		Cadmium	2.53	µg/L	0.0353	37
		Cesium	5.30	µg/L	0.102	11
		Chromium	3.42	µg/L	0.0909	35
		Cobalt	3.87	µg/L	0.0648	37
		Manganese	2.48	µg/L	0.0572	33
		Mercury	13.4	µg/L	0.545	37
		Molybdenum	42.8	µg/L	0.576	29
		Nickel	2.74	µg/L	0.0785	41
		Platinum	2.95	µg/L	0.0722	18
		Silver	1.94	µg/L	0.118	12
		Strontium	285	µg/L	5.19	17
		Tellurium	2.91	µg/L	0.202	14
		Thallium	2.14	µg/L	0.0275	34
		Thorium	0.454	µg/L	0.0168	10
		Tin	1.77	µg/L	0.131	26
		Titanium	13.0	µg/L	0.351	13
		Uranium	0.566	µg/L	0.0116	24
	Vanadium	4.31	µg/L	0.0907	27	
	Urine	Aluminum	187	µg/L	3.44	34
		Arsenic Arsenobetaine	15.2	µg/L	0.231	6
		Arsenic As+3	16.2	µg/L	0.938	6
		Arsenic As+5	9.68	µg/L	0.296	6
		Arsenic DMAA	51.2	µg/L	1.30	8
		Arsenic MAA	8.32	µg/L	0.223	8
		Arsenic sum As+3 As+5	25.3	µg/L	0.774	6
Beryllium		12.7	µg/L	0.265	29	
Boron		5680	µg/L	277	10	
Copper		49.8	µg/L	0.947	38	
Inorganic arsenic	84.6	µg/L	1.84	8		



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QM-U-Q2604	Urine	Iodide	318	µg/L	7.05	26
		Lead	33.3	µg/L	0.581	39
		Lithium	68.5	µg/L	0.711	15
		Selenium	254	µg/L	5.62	29
		Total arsenic	103	µg/L	1.09	40
		Zinc	1530	µg/L	19.8	31

* 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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