



Centre de toxicologie / INSPQ

# Biological Reference Material

## - Evaluation Report -

**QM-U-Q2423**

Biological matrix : Urine

Date of publication :  
Expiration date : 2028-01-01

MATERIAL NUMBER	Biological matrix	ANALYTE	ASSIGNED VALUE	UNIT	STANDARD UNCERTAINTY *	N
QM-U-Q2423	Urine	Antimony	4.28	µg/L	0.0655	39
		Barium	16.6	µg/L	0.227	31
		Bismuth	38.3	µg/L	0.783	30
		Cadmium	1.44	µg/L	0.0257	48
		Cesium	5.75	µg/L	0.143	15
		Chromium	22.0	µg/L	0.282	42
		Cobalt	10.1	µg/L	0.106	45
		Manganese	5.25	µg/L	0.0840	40
		Mercury	94.2	µg/L	3.45	40
		Molybdenum	55.3	µg/L	0.831	36
		Nickel	23.2	µg/L	0.323	50
		Platinum	3.22	µg/L	0.0772	20
		Silver	3.36	µg/L	0.292	14
		Strontium	252	µg/L	4.06	24
		Tellurium	3.65	µg/L	0.104	15
		Thallium	33.2	µg/L	0.416	41
		Thorium	0.324	µg/L	0.0194	12
		Tin	111	µg/L	1.35	32
		Titanium	11.6	µg/L	0.715	12
		Uranium	1.77	µg/L	0.0235	31
	Vanadium	20.0	µg/L	0.263	34	
	Urine	Aluminum	172	µg/L	3.38	39
		Arsenic Arsenobetaine	1.06	µg/L	0.0330	5
		Arsenic As+5	38.2	µg/L	1.21	3
		Arsenic DMAA	1.65	µg/L	0.0323	6
		Arsenic MAA	0.228	µg/L	0.00562	4
		Arsenic sum As+3 As+5	39.9	µg/L	0.795	6
		Beryllium	8.73	µg/L	0.166	36
		Boron	934	µg/L	42.4	13
Copper		29.6	µg/L	0.468	44	
Inorganic arsenic		40.3	µg/L	0.627	10	
Iodide	171	µg/L	2.85	26		



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QM-U-Q2423	Urine	Lead	74.1	µg/L	0.804	50
		Lithium	1340	µg/L	32.3	22
		Selenium	172	µg/L	5.39	37
		Total arsenic	45.6	µg/L	0.697	49
		Zinc	428	µg/L	3.56	43

\* 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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