

105.4 - Toxic Substances in Urine (powder and frozen form)

These SRMs are intended for the determination of arsenic species in human urine. SRMs 2668, 2669, and 3668 consist of five pouches, each containing one vial of Level I Arsenic Species and one vial of Level II Arsenic Species. SRM 3669 consists of 5 vials of arsenic species at an elevated level.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

		concentrations in µg/L														
SRM	Description	Unit of Issue	Aluminum (Al)	Antimony (Sb)	Arsenic (As)	Arsenic acid (AsV)	Arsenobetaine (AB)	Arsenocholine (AC)	Arsenous acid (AsIII)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd)	Calcium (Ca)	Cesium (Cs)	Chlorine (Cl)	Chromium (Cr)
2668	Toxic Elements in Frozen Human Urine	10 vials x 1.5 mL		2 levels	2 levels					2 levels	2 levels	2 levels		2 levels	2 levels	2 levels
2669	Arsenic Species in Frozen Human Urine	10 vials x 1.5 mL			2 levels	2 levels	2 levels	3.74	2 levels							
3668	Mercury, Perchlorate, and Iodide in Frozen Human Urine	10 vials x 1.5 mL														
3669	Arsenic Species in Frozen Human Urine (Elevated Levels)	5 vials x 1.5 mL			185.1	17.8	51.0		14.28							

^a Flourine concentrations, as measured, are for Fluoride, mass concentration.

^b Iodine concentrations, as measured, are for Iodide.

^c These levels are not spiked, but are endogenous to the matrix.

- Certified values are normal font
- Reference values are italicized
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Cobalt (Co)
2 levels

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SRM	Description	Unit of Issue	Copper (Cu)	Dimethylarsinic acid (DMA)	Fluoride (F)	Iodine (I)	Iodine ^b	Lead (Pb)	Magnesium (Mg)	Manganese (Mn)	Mercury (Hg)	Molybdenum (Mo)	Monomethylarsonic acid (MMA)	Nickel (Ni)	Nitrate (NO ₃)
2668	Toxic Elements in Frozen Human Urine	10 vials x 1.5 mL	2 levels		2 levels			2 levels		2 levels		2 levels		2 levels	
2669	Arsenic Species in Frozen Human Urine	10 vials x 1.5 mL		2 levels									2 levels		
3668	Mercury, Perchlorate, and Iodide in Frozen Human Urine	10 vials x 1.5 mL				2 levels					2 levels				2 levels
3669	Arsenic Species in Frozen Human Urine (Elevated Levels)	5 vials x 1.5 mL		77.1									21.6		

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		concentrations in µg/L												
SRM	Description	Unit of Issue	Potassium (K)	Selenium (Se)	Sodium (Na)	Thallium (Tl)	Thiocyanate (SCN ⁻)	Thorium (Th)	Tin (Sn)	Trimethylarsine oxide (TMAO)	Tungsten (W)	Uranium (U)	Vanadium (V)	Zinc (Zn)
2668	Toxic Elements in Frozen Human Urine	10 vials x 1.5 mL	2 levels	2 levels	2 levels	2 levels			2 levels		2 levels	2 levels	2 levels	
2669	Arsenic Species in Frozen Human Urine	10 vials x 1.5 mL								194				
3668	Mercury, Perchlorate, and Iodide in Frozen Human Urine	10 vials x 1.5 mL					2 levels							
3669	Arsenic Species in Frozen Human Urine (Elevated Levels)	5 vials x 1.5 mL												

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