

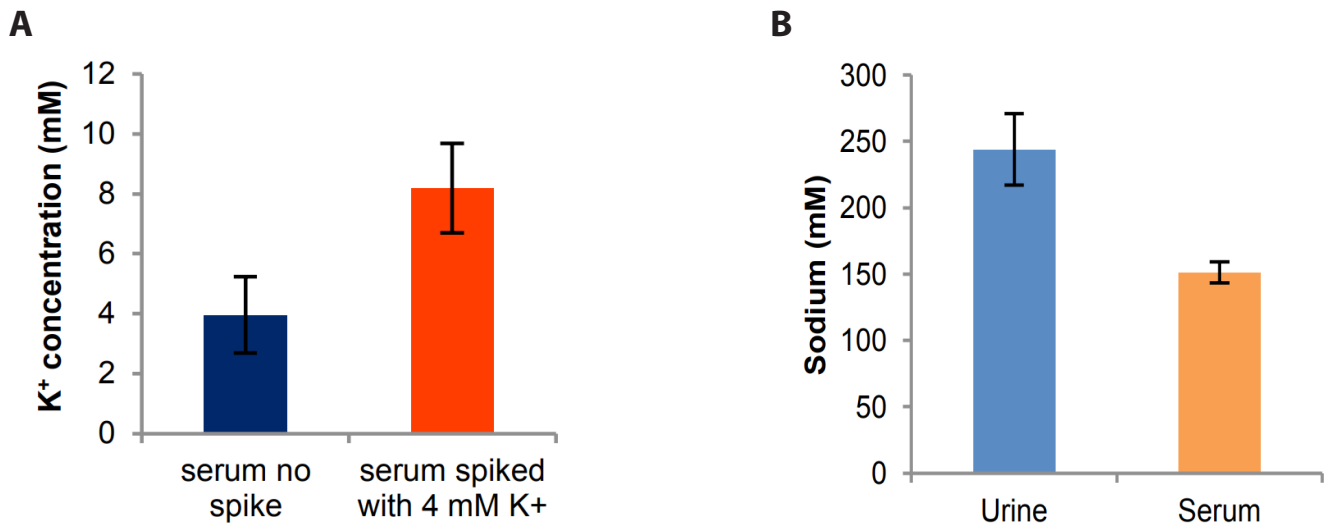
Inorganic Ion Assay Kits

<h2 style="color: blue;">Inorganic Ion Assay Kits</h2>																					
hydrogen 1 H 1.0079																	helium 2 He 4.0026				
lithium 3 Li 6.941	beryllium 4 Be 9.0122															boron 5 B 10.811	carbon 6 C 12.011	nitrogen 7 N 14.007	oxygen 8 O 15.999	fluorine 9 F 18.998	neon 10 Ne 20.180
sodium 11 Na 22.990	magnesium 12 Mg 24.305															aluminum 13 Al 26.982	silicon 14 Si 28.086	phosphorus 15 P 30.974	sulfur 16 S 32.065	chlorine 17 Cl 35.453	argon 18 Ar 39.948
potassium 19 K 39.098	calcium 20 Ca 40.078	scandium 21 Sc 44.956	titanium 22 Ti 47.867	vanadium 23 V 50.942	chromium 24 Cr 51.996	manganese 25 Mn 54.938	iron 26 Fe 55.845	cobalt 27 Co 58.933	nickel 28 Ni 58.693	copper 29 Cu 63.546	zinc 30 Zn 65.39	gallium 31 Ga 69.723	germanium 32 Ge 72.61	arsenic 33 As 74.922	selenium 34 Se 78.96	bromine 35 Br 79.904	krypton 36 Kr 83.80				
rubidium 37 Rb 85.468	strontium 38 Sr 87.62	yttrium 39 Y 88.906	zirconium 40 Zr 91.224	niobium 41 Nb 92.906	niobium 42 Mo 95.94	technetium 43 Tc 98	ruthenium 44 Ru 101.07	rhodium 45 Rh 102.91	rhodium 46 Pd 106.42	silver 47 Ag 107.87	cadmium 48 Cd 112.41	indium 49 In 114.82	tin 50 Sn 118.71	antimony 51 Sb 121.76	tellurium 52 Te 127.60	iodine 53 I 126.90	xenon 54 Xe 131.29				

Inorganic ions play numerous physiological roles in nature. Cations and anions participate in neurological transmission, muscle contraction, intra-cellular water transport, acid-base balance in blood, bone formation, energy transfer and storage. Additionally, they function as cofactors or can be found as moieties within other important biomolecules. BioVision has a great portfolio of assays measuring inorganic ions including assays for sodium, calcium, phosphate and many others.

Key Features:

- **Non-radioactive**
- **Specific**, homogeneous assay
- **Convenient**: minimal sample preparation; fast protocols (1-2 hours)
- **Cost effective**: 100 assays; **High Throughput Screening compatible**
- **Validated**: using mammalian tissues, cells, biological fluids



Figures: (A) Estimated potassium (K940-100) concentrations in "off-the-clot" human serum. (B) Sodium concentration in human urine and serum was detected using K391.

The simplest, yet sensitive series of assays in the market!!!

Assay Kits

	Target	Cat. No.	Detection Limit	Sample Type
Anion	Chloride (C)	K530	10 nmol	Tissue, serum, cells
	Iodide (C)	K2037	0.2 μM	Urine, serum, foods
	Nitric Oxide (C)	K262	1 nmol	Tissue, serum, cells, urine
	Nitric Oxide (F)	K252	0.1 nmol	Tissue, serum, cells
	Nitrite (Griess) (C)	K544	1 nmol	Serum, lysate
	Phosphate (C)	K410	0.5 nmol	Serum, urine
	Phosphate (F)	K419	0.05 nmol	Serum, tissue, cells
	Phosphate (F)	K420	0.1 nmol	Tissue, serum, cells
	Polyphosphate (F)	K2025	50 pmole	Tissue, cells
	Pyrophosphate (C/F)	K568	0.1 nmol	Serum, plasma, cells
	Sulfate (C)	K415	0.1 Mm	Serum, urine
	Sulfite (C)	K699	0.5 nmol	Foodstuff
	Cation	Ammonia (C)	K370	1 nmol
Ammonia (C)		K470	1 nmol	Tissue, cells, serum
Calcium (C)		K380	5 nmol	Cells, serum, urine
Calcium (F)		K409	0.025 nmol	Serum, plasma
Calcium (FM/FC)		K432	N/A	Cell-based
Cobalt (C)		K505	5 nmol	Cells
Copper (F)		K899	0.1 nmol	Water
Iron (C)		K390	1 nmol	Soil, serum
Lithium (C)		K545	100 μM	Serum, plasma
Magnesium (C)		K385	1 nmol	Tissue, cells
Nickel (C)		K510	1 nmol	Tissue, cells
Potassium		K940	5 nmol	Serum
Sodium (C)		K391	10 nmol	Serum, urine
TIBC		K392	1 nmol	Serum
Zinc (C)		K387	0.5 nmol	Tissue, cells
Zinc (F)		K428	0.02 nmol	Serum, urine
Zinc (FM/FC)		K525	N/A	Cell-based

*C: Colorimetric; F: Fluorometric; FM: Fluorescent Microscope; FC: Flow Cytometry; N/A: Not Available

Please visit www.BioVision.com for a comprehensive overview on our products!