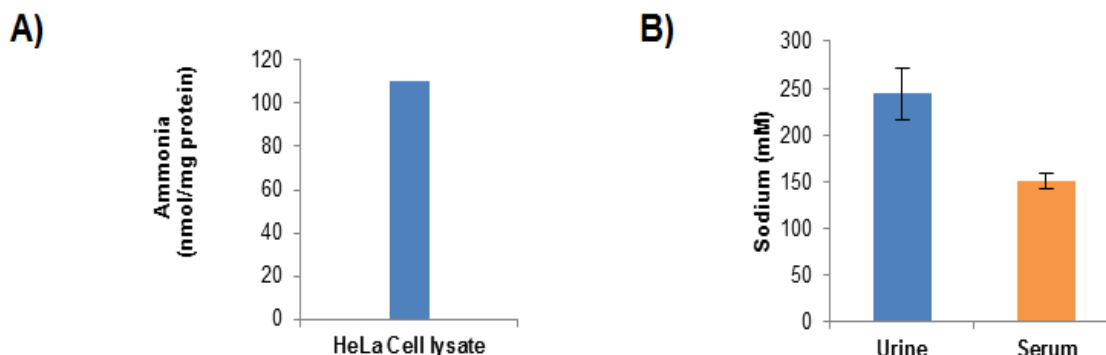


Inorganic Ion Assay Kits

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) Ammonia content in HeLa lysate was detected using K370.

B) Sodium concentration in human urine and serum was detected using K391.

Assay Kits

	Target	Cat. No.	Detection*	Detection Limit (nmol)	Sample Type
Cation	Ammonia	K370	C	1	Cells, urine
	Ammonia	K470	C	1	Tissue, cells, serum
	Calcium	K380	C	5	Cells, serum, urine
	Cobalt	K505	C	5	Cells
	Iron	K390	C	1	Soil, serum
	Magnesium	K385	C	1	Tissue, cells
	Nickel	K510	C	1	Tissue, cells
	Sodium	K391	C	10	Serum, urine
	Zinc	K387	C	0.5	Tissue, cells

*C: Colorimetric; F: Fluorometric

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Assay Kits

	Target	Cat. No.	Detection*	Detection Limit (nmol)	Sample Type
Anion	Chloride	K530	C	10	Tissue, serum, cells
	Nitric Oxide	K262	C	1	Tissue, serum, cells, urine
	Nitric Oxide	K252	F	0.1	Tissue, serum, cells
	Phosphate	K420	F	0.1	Tissue, serum, cells
	Phosphate	K410	C	0.5	Serum, urine
	Phosphate	K419	F	0.05	Serum, tissue, cells
	Sulfite	K699	C	0.5	Foodstuff

*C: Colorimetric; F: Fluorometric

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