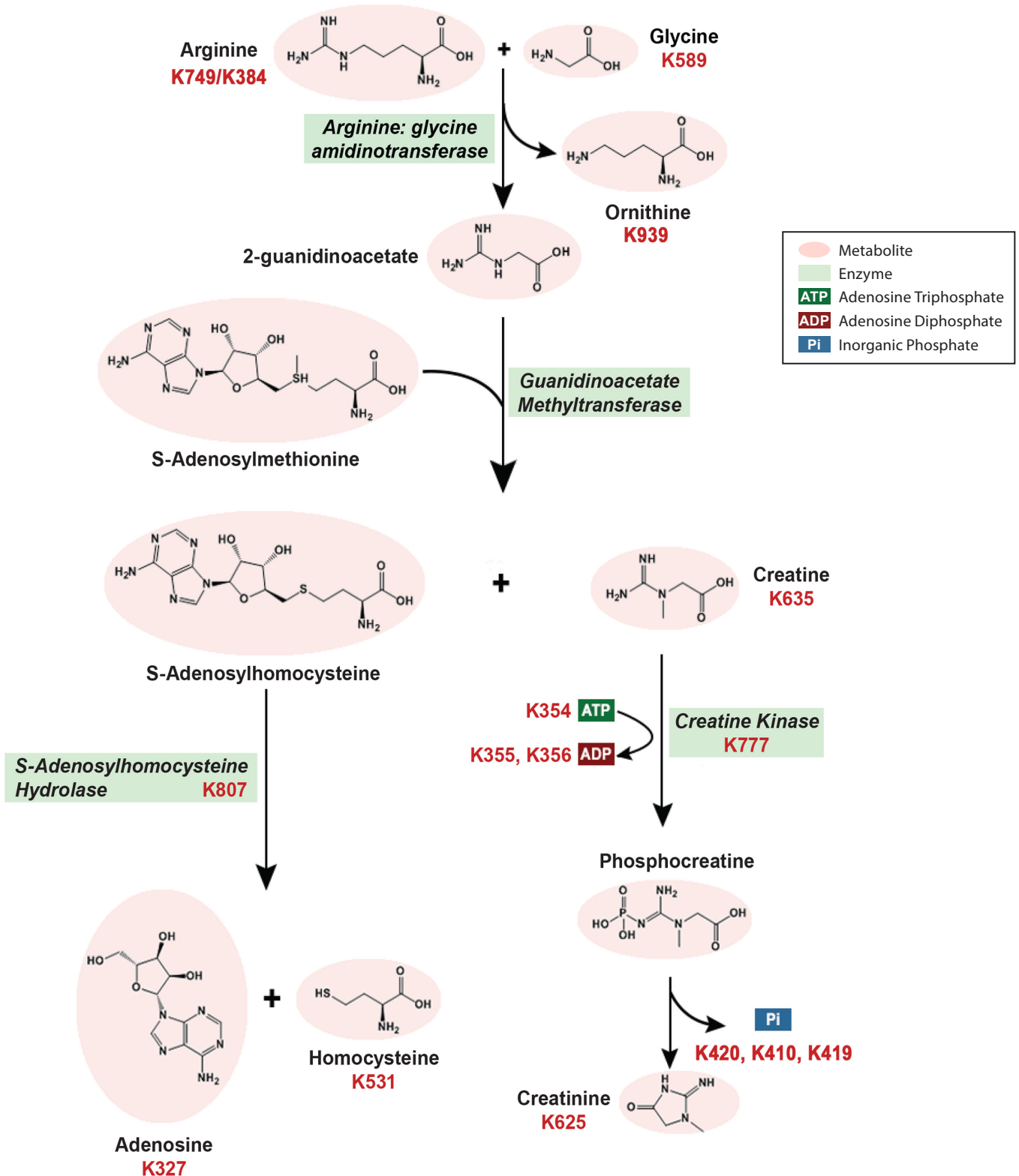


Creatinine Biosynthesis

Creatinine, a natural waste, is produced during muscle metabolism or digestion of meat. Creatinine levels indicate proper kidney function: higher concentrations in blood are indicators of kidney damage due diabetes or kidney disease complications. BioVision offers the most complete series of assays measuring various metabolites, cofactors, and enzymes involved in the synthesis of Creatinine.



Key Features:

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

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

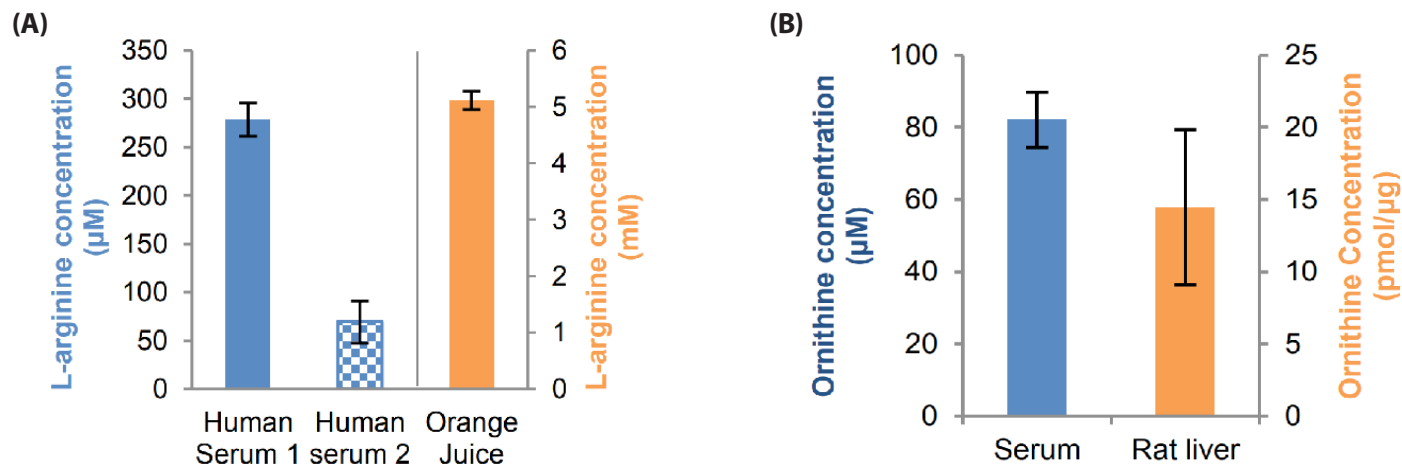


Figure: (A) Estimations of L-arginine (K749-100) in human serum and orange juice. (B) Estimations of Ornithine (K939-100) in human serum and rat liver.

	Target	Cat. No.	Detection Limit	Sample Type
Coenzyme/Ions	ADP (C)	K356	1000 pmol	Tissue, cells, PP
	ADP (C/F)	K355	100 pmol	Tissue, cells, PP
	ATP (C/F)	K354	100 pmol	Tissue, cells, PP
	Phosphate (C)	K410	100 pmol	Serum, urine
	Phosphate (F)	K419	500 pmol	Serum, urine
	Phosphate (F)	K420	100 pmol	Serum, tissue lysate
Enzyme	Creatine Kinase (C)	K777	1000 pmol	Serum, tissues
	S-Adenosylhomocysteine Hydrolase (F)	K807	10 pmol	Tissue/cell lysate
Metabolite	Adenosine (F)	K327	10 pmol	Plasma, urine
	Arginine (C)	K384	250 pmol	Plasma, serum, lysate
	Arginine (F)	K749	5000 pmol	Serum, food
	Creatine (C)	K635	1000 pmol	Serum, urine, tissues
	Creatinine (C/F)	K625	100 pmol	Serum, urine
	Glycine (F)	K589	50 pmol	Serum, saliva, urine
	Homocysteine (F)	K531	50 pmol	Plasma, serum
	Ornithine (F)	K939	100 pmol	Serum, tissue lysate

*C: Colorimetric; F: Fluorometric; PP: Protein Preparation; pmol: picomole

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