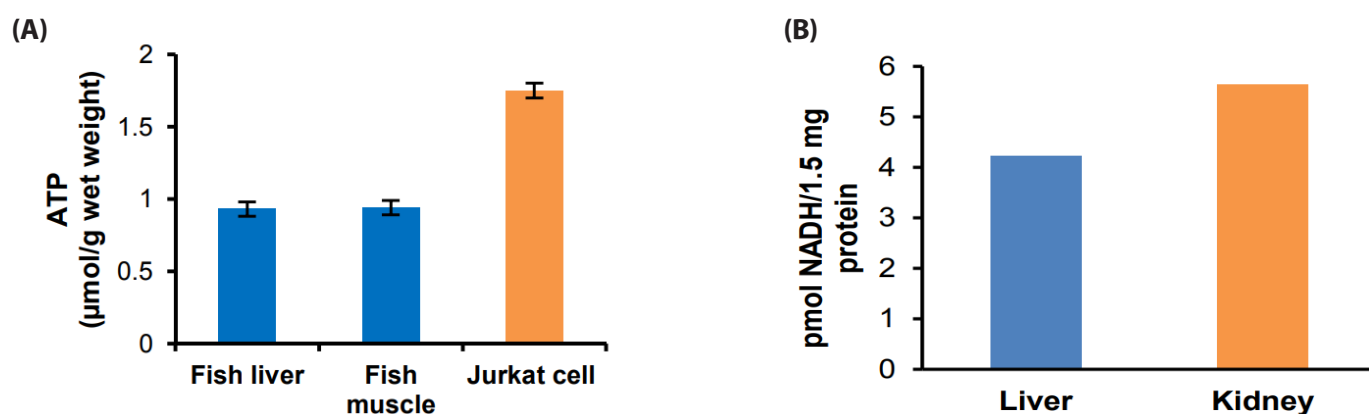


Coenzyme & Cofactor Assay Kits

Coenzymes are organic molecules and quite often bind loosely to the active site of an enzyme and aid in substrate recruitment, whereas cofactors do not bind the enzyme. These molecules play an integral role in a number of cellular metabolism reactions playing both structural and functional roles aiming enzymatic catalysis. BioVision has the best portfolio of products in this category including NAD, NADP, FAD, Acetyl CoA, ATP assay kits.

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) ATP content in fish tissue and Jurkat cells was detected using **K354**.
(B) NADH content in rat tissues (liver and kidney) was detected using **K337**.

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

	Product Name	Cat. No.	Detection*	Detection Limit	Sample Type
Coenzyme/Cofactor	Acetyl CoA	K317	F	20 pmol	Tissue, cells
	ADP	K355	C/F	100 pmol	Tissue, cells
	ADP	K356	C	1000 pmol	Tissue, cells
	ADP/ATP Ratio	K255	L	< 10 pmol	Cells
	AMP	K229	C		Tissue, cells
	ATP	K354	C/F	100 pmol	Tissue, cells
	ATP	K959	C		Tissue, cells
	ATP Cell Viability	K254	L		Cells
	CoA	K367	C/F	100 pmol	Tissue, cells
	FAD	K357	C/F	100 pmol	Tissue, cells
	Glutathione	K251	F		Tissue, cells
	Glutathione	K261	C		Tissue, cells
	GPx	K762	C		Tissue, cells, serum

*C: Colorimetric; F: Fluorometric; L: Luminescence

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)

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	Product Name	Cat. No.	Detection*	Detection Limit	Sample Type
Coenzyme/Cofactor	GR	K761	C		Cells, serum
	GSH	K464	C		Tissue homogenates, cell lysates
	GSH	K740	F		Tissue homogenates, cell lysates
	GSH/GSSG/Total	K264	F		Tissue, cells
	Heme	K672	C	0.02 pmol	Tissue, cells
	Methylglyoxal	K500	C		Food products
	Methylglyoxal	K461	F		Tissue, cell lysates, bio fluids
	NAD/NADH Ratio	K337	C	10 pmol	Tissue, cells, serum, urine
	NAD ⁺ /NADH	K958	C		Tissue, cells, bio fluids
	NADH	K338	F	< 0.5 pmol	Tissue, cells
	NADH Oxidase Activity	K2019	F		Animal tissues, cell culture
	NADP/NADPH Ratio	K347	C	10 pmol	Tissue, cells
	PLP (Vit B ₆)	K2009	F	0.2 pmol	Biological fluids, mammalian tissue

*C: Colorimetric; F: Fluorometric; L: Luminescence

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