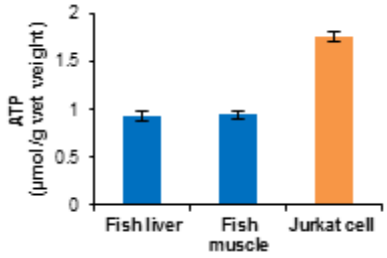
Coenzyme & Cofactor Assay Kits

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.

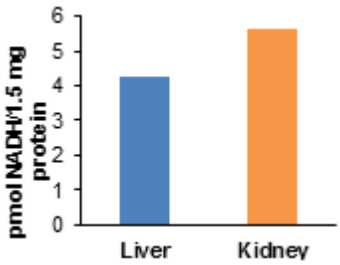
Key Features:

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

A)



B)



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.

Assay Kits

	Target	Catalog	Detection*	Detection Limit (pmol)	Sample Type
Coenzyme/Cofactor	ADP	K356	C	1000	Tissue, cells
		K355	C/F	100	Tissue, cells
	ATP	K354	C/F	100	Tissue, cells
	ADP/ATP Ratio	K255	L	< 10	Cells
	Acetyl CoA	K317	F	20	Tissue, cells
	CoA	K367	C/F	100	Tissue, cells
	FAD	K357	C/F	100	Tissue, cells
	NADH	K338	F	< 0.5	Tissue, cells
	NAD/NADH Ratio	K337	C	10	Tissue, cells, serum, urine
	NADP/NADP Ratio	K347	C	10	Tissue, cells
	Heme	K672	C	0.02	Tissue, cells

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

Visit www. BioVision.com for a comprehensive overview on these and other Metabolism research products!

BioVision
BioVision Incorporated
Life Science SOURCE™
Innovation. Flexibility. Affordability
155 S Milpitas Blvd.
Milpitas, CA 95035
Tel: 408-493-1800
Fax: 408-493-1801