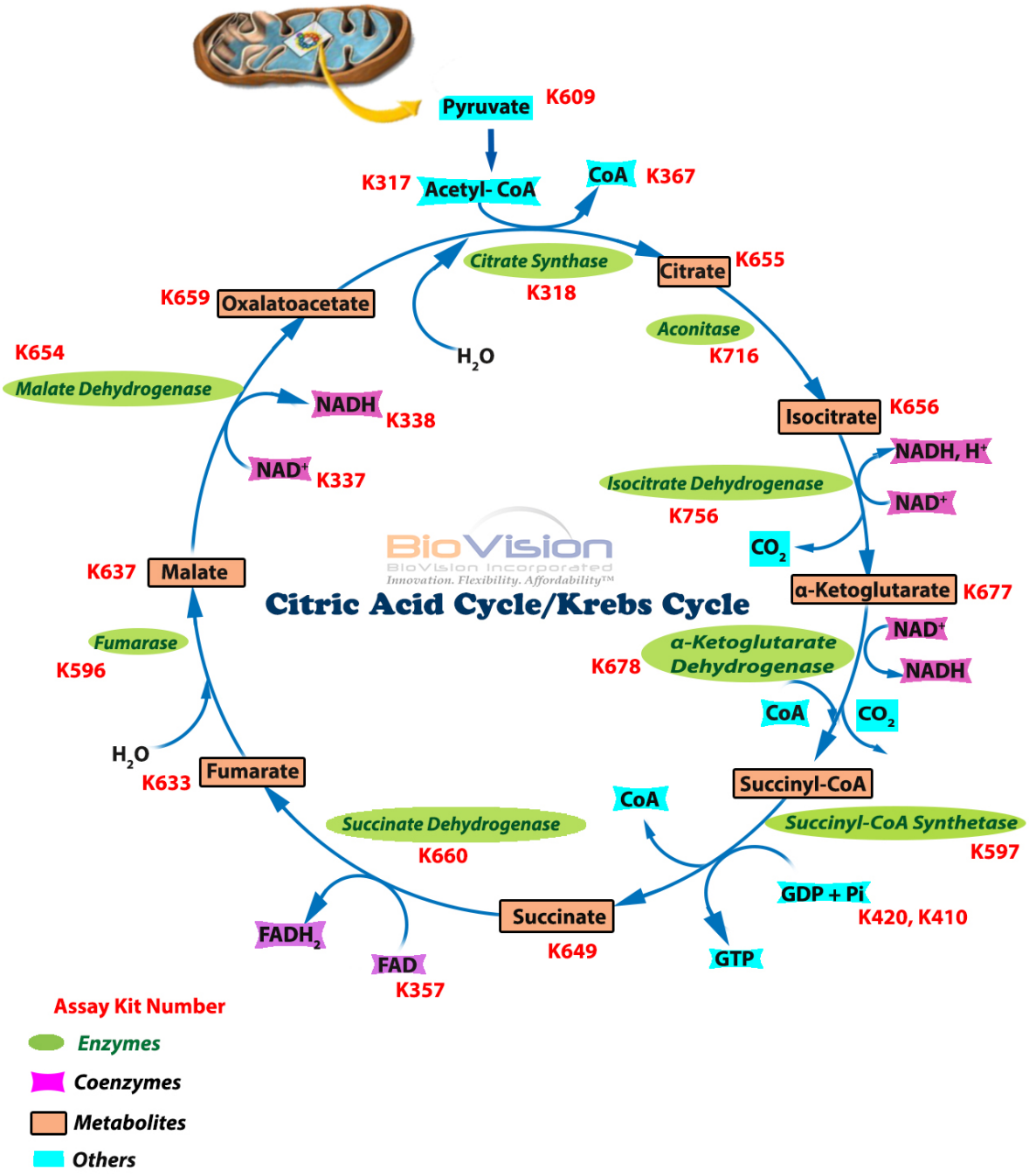
Krebs Cycle

The Krebs Cycle, also known as Tricarboxylic Acid (TCA), is considered one of the central pathway in cellular metabolism. It oxidizes several metabolites containing acetyl groups. The list includes amino acids, carbohydrates and fatty acids. BioVision offers the most complete series of assays measuring various metabolites, cofactors, and enzymes involved in the glycolytic pathway.



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BioVision
BioVision Incorporated

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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!!!!

	Target	Catalog	Detection*	Detection Limit	Sample Type
Metabolism	Citrate	K655	C/F	0.25 nmol	Cells, tissues
	Isocitrate	K656	C	2 nmol	Cells, tissues
	α-Ketoglutarate	K677	C/F	0.1 nmol	Cells, tissues
	Succinate	K649	C	1 nmol	Cells, tissues
	Fumarate	K633	C	2.5 nmol	Cells, tissues
	Malate	K637	C	1 nmol	Cells, tissues
	Oxaloacetate	K659	C	1 nmol	Cells, tissues
	Acetyl-CoA†	K317	F	0.01 pmol	Cells, tissues
Enzyme	Citrate Synthase	K318	C	1 mU	Tissue, cells PP
	Aconitase	K716	C	0.1 mU	Tissue, cells, PP
	Isocitrate dehydrogenase	K756	C	0.01 mU	Tissue, cells, PP
	α-Ketoglutarate dehydrogenase	K678	C	0.1 mU	Tissue, cells, PP
	Succinyl-CoA synthetase	K597	C	0.1 mU	Tissue, cells, PP
	Succinate dehydrogenase	K660	C	0.1 mU	Tissue, cells, PP
	Fumarase	K596	C	2.5 mU	Tissue, cells, PP
	Malate Dehydrogenase	K654	C	0.5 mU	Tissue, cells, PP
	Pyruvate Dehydrogenase†	K679	C	0.1 mU	Tissue, cells, PP
Coenzyme/ Others	FAD	K357	C/F	25 pmol	Tissue, cells, PP
	Others	K337	C	10 pmol	Tissue, cells, serum, urine
	NADP/NADP Ratio	K347	C	10 pmol	Tissue, cells, PP
	Phosphate	K420	F	25 pmol	Tissue, cells, PP
	Phosphate	K410	C	500 pmol	Tissue, cells, serum, urine

*C: Colorimetric; F: Fluorometric; PP: Protein Preparation; †: Does not form part of the Cycle

Visit www.BioVision.com for a comprehensive overview on Metabolism, Obesity & Diabetes Research Products!