

IDH2

Native Porcine Isocitrate Dehydrogenase

Catalog No.	CSI19670A	Quantity:	1 KU
	CSI19670B		3 KU

Alternate Names: ICDH, Threo-Ds-Isocitrate, IDH2, IDH, NADP+Oxidoreductase

Description: Native Porcine Isocitrate Dehydrogenase is an enzyme in the Krebs/Citric Acid cycle. It can be either of two enzymes that catalyze the oxidative decarboxylation of isocitrate during the Krebs cycle. One of two enzymes that catalyze the conversion of threo-ds-isocitrate, the product of the action of both aconitase and isocitrate lyase, to α -ketoglutarate (2-oxoglutarate) and CO₂; one of the isozymes uses NAD⁺ (participating in the tricarboxylic acid cycle), whereas the other uses NADP⁺.

Concentration: > 0.1 mg Protein/mg

GenelD: 397603

Source: Porcine Heart

Formulation: Liquid

Biological Activity: >10 u/ml @ 37C.

EC Number: 1.1.1.42

Storage & Stability: Store at 2-4°C. Stable for 1 year at -20°C. **Avoid repeated freeze-thaw cycles.**

Unit Definition: One unit will convert one micromole of isocitrate to α -ketoglutarate per minute at pH 7.4 and 37.

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