IDH2
Native Porcine Isocitrate Dehydrogenase, Lyophilized

Catalog No.	CSI14655A CSI14655B	**Quantity:**	1000 U 3000 U

Alternate Names: ICDH, IDH2, IDH

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

GeneID: 397603

Source: Porcine heart

Formulation: Lyophilized

Specific Activity: 1 u/mg solid. One unit will convert one micromole of isocitrate to a-ketoglutarate per minute at pH 7.4 and 37°C.

EC Number: 1.1.1.42

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

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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