



alpha-Ketoglutarate Dehydrogenase Activity Assay kit

alpha-KGDH (EC1.2.4.2) is widely present in the mitochondria of animals, plant microorganisms and cultured cells. It is one of the key enzymes in the regulation of the tricarboxylic acid cycle and catalyzes the oxidative decarboxylation of alpha-ketoglutarate to succinyl Coenzyme A.

alpha-KGDH catalyzes alpha-ketoglutarate, NAD⁺ and coenzyme A to produce succinyl-CoA, carbon dioxide and NADH. NADH has a characteristic absorption peak at 340nm, and the rate of NADH production represents alpha-KGDH activity.

Catalog No.	250071
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs