



## NADP Malate Dehydrogenase Activity Assay kit

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MDH (EC 1.1.1.37) is widely present in animals, plants, microorganisms and cultured cells. MDH in mitochondria is one of the key enzymes in the TCA cycle. One, catalyze malic acid to form oxaloacetate; on the contrary, MDH in the cytoplasm catalyzes oxaloacetic acid to form malate. Oxaloacetate is an important intermediate product that connects many important metabolic pathways. Therefore, MDH plays an important role in a variety of physiological activities of cells, including mitochondrial energy metabolism, malate-aspartate shuttle system, active oxygen metabolism, and disease resistance.

NADP-MDH catalyzes the reduction of oxaloacetic acid by NADPH to produce malic acid, resulting in a decrease in light absorption at 340nm.

Catalog No.	250105
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs