



Succinate Dehydrogenase Activity Assay kit

SDH (EC 1.3.5.1) is widely present in animals, plants, microorganisms and cultured cells. SDH is a marker enzyme of mitochondria. It is a membrane-bound enzyme located on the inner mitochondrial membrane and is one of the hubs connecting respiratory electron transport and oxidative phosphorylation. In addition, it provides electrons for the respiratory chain of a variety of prokaryotic cells.

SDH catalyzes the dehydrogenation of succinic acid to produce fumaric acid, and the removed hydrogen is transmitted and reduced by phenazine dimethyl sulfuric acid (PMS) to reduce 2,6-dichlorophenol indophenol (DCPIP), and has a characteristic absorption peak at 600 nm. Measure the reduction rate of 2, 6-DPIP by changing the absorbance at 600 nm, which represents the activity of the SDH enzyme.

Catalog No.	250095
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Visible spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs