

Diaphorase

Product Information

Cat#	DIA-690
Descriptions	Diaphorase is a flavin-dependent oxidoreductase that catalyzes the oxidation of NADH or NADPH to reduce various electron acceptors, is widely utilized in coenzyme regeneration systems and biochemical detection kits, and supports various oxidoreductase-coupled reaction systems.
Applications	Diaphorase is widely applied in coenzyme regeneration detection kits and biochemical detection kit auxiliary reagent development.
CAS No.	9001-18-7
Enzyme Commission Number	EC 1.6.5.2
Enzyme Source	Recombinant expressed by E.coli.
Activity Definition	One unit is defined as the amount of enzyme which oxidizes one micromole NADH per minute under the conditions of pH7.0 at 37°C as described. The activity concentration (U/L) is calculated by detecting $\Delta A/\text{min}$ of formazane dye production rate at 550nm optical wavelength. Millimolar extinction coefficient of formazane dye under the assay conditions is 12.4 cm ² /micromole.