

Diaphorase from Microorganism

Product Information

Cat#	DIA-423
Source	Microorganism
Activity	≥ 600.0 U/mg
Isoelectric point	5.2
Storage	-25 °C to -15 °C
Enzyme Commission Number	EC 1.6.5.2
Purity	≥ 90.0% (SDS-PAGE)
pH Stability	4.5–10.0
Michaelis Constant	7.4 × 10 ⁻⁴ M (NADH) 6.0 × 10 ⁻² M (NADPH)
Optimum pH	7.5
Optimum temperature	45 °C
Thermal stability	Below 50 °C (pH 7.5, 30 min)
Inhibitors	Fe ³⁺ , Mn ²⁺ , Cu ²⁺
Applications	For colorimetric determination of NAD(P)H and many dehydrogenases when coupled with various dyes which act as hydrogen acceptors from NAD(P)H.
Molecular Weight	28 kDa (SDS-PAGE)
Package	5/100/500/1000 KU