Creative Enzymes
Diagnostic Enzymes

Beta-Hydroxybutyrate Dehydrogenase from Microorganism

Product Information

Cat#	DIA-424
Source	Microorganism
Form	Freeze dried powder
Isoelectric point	6.1
Storage	−25 °C to −15 °C
Enzyme Commission Number	EC 1.1.1.30
Purity	≥ 90.0% (SDS-PAGE)
pH Stability	pH 5.0–10.0 (25 °C, 16 h)
Michaelis Constant	1.46×10^{-2} M (D-3-Hydroxybutyrate) 9.5×10^{-5} M (NAD+)
Optimum pH	8.5
Optimum temperature	60 °C
Thermal stability	Below 50 °C (pH 8.5, 30 min)
Inhibitors	Hg^{2+}, Ag^{+}, SDS
Applications	For enzymatic determination of ketone bodies (D-3-hydroxybutyrate and acetoacetate) in clinical analysis.
Appearance	White amorphous lyophilizate
Molecular Weight	27 kDa (SDS-PAGE)
Package	5/50/100 KU

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