

PRODUCT SPECIFICATION

Name	D-3-Hydroxybutyrate dehydrogenase (HBDH)
Code	HE199AE

RECEIVER INFORMATION

Storage Temperature	Below -20° C (up to 18 Months)
Storage Notes	N/A

PRODUCT INFORMATION

EC Number	1.1.1.30
Activity	≥300U/mg
Molecular Weight	~28kDa
Michaelis constant	1.6 × 10 ⁻³ M (D-3-Hydroxybutyrate)
Optimum pH	8.5
pH Stability	6.0-11.0
Optimum Temperature	More than 60 °C
Inhibitor	Not inhibited by sodium azide and phosphate
Unit Definition	One unit is defined as the amount of enzyme which oxidized 1 μ mol of NAD ⁺ to NADH per minute at 37°C (pH8.5).
Reconstitution Advice	Adding magnesium ion and calcium ion helped stabilize enzyme activity

HEALTH AND SAFETY

Warning	For in-vitro use and research or further processing only.
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