

PRODUCT SPECIFICATION

Name	D-Lactate Dehydrogenase (D-LDH)
Code	HE205AE

RECEIVER INFORMATION

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

PRODUCT INFORMATION

EC Number	1.1.1.28
Activity	≥150U/mg
Molecular Weight	42kDa
pI	4.98
Michaelis constant	4.0 × 10 ⁻⁴ mol/L (Pyruvate)
Optimum pH	6.5-8.0
pH Stability	4.5-10
Optimum Temperature	40-50 °C
Heated Characters	Below 55 °C
Inhibitor	Not inhibited by sodium azide
Unit Definition	One unit is defined as the amount of enzyme which oxidized 1 μ mol of NADH to NAD ⁺ per minute.
Reconstitution Advice	Adding 0.1% BSA helped stabilize enzyme activity

HEALTH AND SAFETY

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