

Lactate dehydrogenase (LDH)

Cat# PE0001

Storage at -20°C

INFORMATION

Product Name	Lactate dehydrogenase (LDH)
Product Type	<i>E.coli</i> Recombinant Expression
Cat NO.	PE0001
Size	5KU, 10KU, 25KU
Enzyme Commission No.	EC 1.1.1.27
Reaction	$D\text{-Lactate} + NAD^+ \xrightleftharpoons{LDH} \text{Pyruvate} + NADH + H^+$
Specific Activity	>200 U/mg protein
Unit Definition	One unit will convert one mmole of pyruvate to D-lactate per min at pH 7.4 at 25°C
Appearance	White powder, lyophilized
Molecular Weight	38 kDa (SDS-PAGE)
Isoelectric Point	5.8
Optimum pH	7.0
Optimum Temperature	30 °C
pH Stability	5.0-8.0 (25°C, 48hr)
Thermal Stability	< 45 °C (pH7.0, 15min)
Inhibitor	Ag ⁺ , Hg ²⁺ , Co ²⁺

PRODUCT USE LIMITATION

These products are intended for research use only.