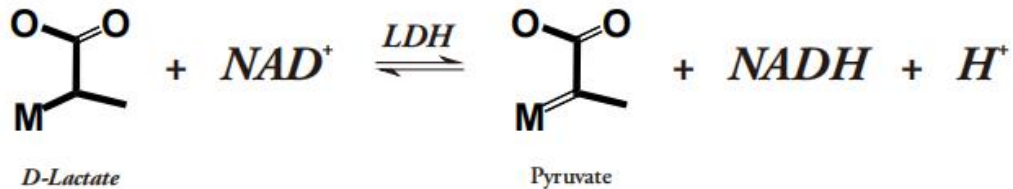


D-LACTATE DEHYDROGENASE

(R)-Lactate:NAD⁺Oxidoreductase

REACTION:



Product Information

Catalog No. : E0167

CAS No.: 9028-36-8

EC NO.: EC 1.1.1.28

Source: Microorganism

Molecular Weight: 38 kDa (SDS-PAGE)

Isoelectric point: 5.8

Michaelis constant: 5.4×10^{-4} M(Pyruvate, pH 7.0)

Optimum pH: 7.0

Optimum temperature: 30°C

pH Stability: 5.0~8.0 (25°C, 48hr)

Thermal stability: < 45°C (pH 7.0, 15min)

Inhibitors: Co²⁺,Cu²⁺,Zn²⁺,SDS

Dissolve: The enzyme dissolved in 100mM K-phosphate buffer, pH 7.4

Appearance: White amorphous powder

Activity: ≥ 400 U/mg protein

Unit Definition: One unit will convert one micromole of pyruvate to D-lactate per min at pH 7.4 at 25°C.

Storage

Store at -20 °C to avoid repeated freeze-thaw

Notes

For laboratory or manufacturing purposes only;not for human, veterinary, food,
or household use