Creative Enzymes®

Native Porcine Lactate Dehydrogenase

Cat. No. NATE-0964

Lot. No. (See product label)

Introduction

Description	A lactate dehydrogenase (LDH or LD) is an enzyme found in nearly all living cells (animals, plants, and prokaryotes). LDH catalyzes the conversion of pyruvate to lactate and back, as it converts NADH to NAD+ and back. A dehydrogenase is an enzyme that transfers a hydride from one molecule to another.
Applications	Diagnostic Controls, Calibrators & Standards; Clinical Chemistry; Testing/Assay Validation; Life Science; Manufacturing
Synonyms	Lactate dehydrogenase; EC 1.1.1.27; LDH; LD

Product Information

Species	Porcine
Source	Porcine Muscle
Form	Lyophilized
EC Number	EC 1.1.1.27
CAS No.	9001-60-9
Molecular Weight	~136,700
Activity	> 100 U/mg
Contaminants	AST/GOT, ALT/GPT, MDH: < 0.1%, Ammonia: < 0.1 micromole/mg
Unit Definition	One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 8.55.

Storage and Shipping Information

Storage	Store at -20°C
Stability	2 years