

Native Staphylococcus epidermidis D-Lactic Dehydrogenase

Cat. No. NATE-0197

Lot. No. (See product label)

Introduction

Description

D-lactic dehydrogenase catalyzes the conversion of D-lactate into D-pyruvate while reducing NAD⁺ to NADH and H⁺.

Applications

D-Lactic Dehydrogenase can be used to generate inhibitors of angiotensin converting enzyme by catalyzing the production of the intermediate (R)-2-Hydroxy-4-phenylbutyric acid. D-Lactic dehydrogenase has been used in a study to assess mechanisms of active transport in isolated membrane vesicles. It has also been used in a study to investigate β -galactoside transport in bacterial membrane preparations.

Synonyms

EC 1.1.1.28, D-Lactic Dehydrogenase; 9028-36-8; lactic acid dehydrogenase; D-specific lactic dehydrogenase; D-(-)-lactate dehydrogenase (NAD); D-lactic acid dehydrogenase; D-lactic dehydrogenase; (R)-Lactate:NAD⁺ oxidoreductase; D-LDH

Product Information

Source

Staphylococcus epidermidis

Form

Lyophilized powder containing primarily dextran

EC Number

EC 1.1.1.28

CAS No.

9028-36-8

Activity

> 80 units/mg solid

Unit Definition

One unit will reduce 1.0 μ mole of pyruvate to D-lactate per min at pH 7.0 at 25°C.

Storage and Shipping Information

Storage

-20°C