Creative Enzymes®

lactate dehydrogenase (NAD+,ferredoxin)

Cat. No. EXWM-1283

Lot. No. (See product label)

Introduction

Description	The enzyme, isolated from the bacterium Acetobacterium woodii, uses flavin-based electron confurcation to drive endergonic lactate oxidation with NAD+ as oxidant at the expense of simultaneous exergonic electron flow from reduced ferredoxin to NAD+.
Synonyms	electron bifurcating LDH/Etf complex

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.3.1.110
Reaction	lactate + 2 NAD+ + 2 reduced ferredoxin [iron-sulfur] cluster = pyruvate + 2 NADH + 2 oxidized ferredoxin [iron-sulfur] cluster
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.