

## Lactaldehyde dehydrogenase from Escherichia coli, Recombinant

Cat. No. NATE-1213

Lot. No. (See product label)

### Introduction

#### Description

In enzymology, a lactaldehyde dehydrogenase (EC 1.2.1.22) is an enzyme that catalyzes the chemical reaction: (S)-lactaldehyde + NAD<sup>+</sup> + H<sub>2</sub>O ↔ (S)-lactate + NADH + 2 H<sup>+</sup>. The 3 substrates of this enzyme are (S)-lactaldehyde, NAD<sup>+</sup>, and H<sub>2</sub>O, whereas its 3 products are (S)-lactate, NADH, and H<sup>+</sup>. This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor.

#### Synonyms

E.C. 1.2.1.22; lactaldehyde dehydrogenase; L-lactaldehyde:NAD oxidoreductase; nicotinamide adenine dinucleotide (NAD)-linked dehydrogenase; (S)-lactaldehyde:NAD<sup>+</sup> oxidoreductase

### Product Information

**Source** Escherichia coli

**EC Number** EC 1.2.1.22

**CAS No.** 37250-90-1

**Molecular Weight** 53337.9 Da