

## formate dehydrogenase

Cat. No. EXWM-1125

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from most aerobic organisms is devoid of redox-active centres but that from the proteobacterium *Methylosinus trichosporium* contains iron-sulfur centres, flavin and a molybdenum centre. Together with EC 1.12.1.2 hydrogen dehydrogenase, forms a system previously known as formate hydrogenlyase.

#### Synonyms

formate-NAD oxidoreductase; FDH I; FDH II; N-FDH; formic hydrogen-lyase; formate hydrogenlyase; hydrogenlyase; NAD-linked formate dehydrogenase; NAD-dependent formate dehydrogenase; formate dehydrogenase (NAD); NAD-formate dehydrogenase; formate benzyl-viologen oxidoreductase; formic acid dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.2

**CAS No.** 9028-85-7

**Reaction** formate + NAD<sup>+</sup> = CO<sub>2</sub> + NADH

**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 °C for short term. For long term storage, store it at -20 °C~-80 °C.