

## mannitol dehydrogenase

Cat. No. EXWM-0160

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Apium graveolens* (celery) oxidizes alditols with a minimum requirement of 2R chirality at the carbon adjacent to the primary carbon undergoing the oxidation. The enzyme is specific for NAD<sup>+</sup> and does not use NADP<sup>+</sup>.

#### Synonyms

MTD; NAD-dependent mannitol dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.255

#### CAS No.

144941-29-7

#### Reaction

D-mannitol + NAD<sup>+</sup> = D-mannose + NADH + H<sup>+</sup>

#### 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.