Creative Enzymes®

# mannitol dehydrogenase

*Cat. No. EXWM-0160*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***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+ and does not use NADP+. |
| ***Synonyms*** | MTD; NAD-dependent mannitol dehydrogenase |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.1.1.255 |
| ***CAS No.*** | 144941-29-7 |
| ***Reaction*** | D-mannitol + NAD+ = D-mannose + NADH + H+ |
| ***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

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