

## Native *Lactobacillus* sp. Maltose Epimerase

Cat. No. NATE-0450

Lot. No. (See product label)

### Introduction

#### Description

Maltose 1-epimerase (MER), is an enzyme that catalyzes the interconversion of  $\alpha$  and  $\beta$  anomers of maltose.

#### Applications

Maltose epimerase has been used in a study to assess metabolite gene regulation. It has also been used in a study to investigate saccharogenic determination of  $\alpha$ -amylase in serum and urine.

#### Synonyms

maltose epimerase; EC 5.1.3.21; maltose 1-epimerase; MER

### Product Information

#### Source

*Lactobacillus* sp.

#### EC Number

EC 5.1.3.21

#### Molecular Weight

mol wt ~45 kDa by SDS-PAGE

#### Unit Definition

One unit is defined as the amount of enzyme which converts 1  $\mu$ mol of  $\beta$ -maltose to  $\alpha$ -maltose per minute at 25°C and pH 7.0.

### Storage and Shipping Information

#### Storage

–20°C