

## L-sorbose 1-dehydrogenase

Cat. No. EXWM-0461

Lot. No. (See product label)

### Introduction

**Description** The product, L-sorbose, is an intermediate in bacterial 2-keto-L-gulonic-acid formation. The activity of this membrane-bound enzyme is stimulated by Fe(III) or Co<sup>2+</sup> but is inhibited by Cu<sup>2+</sup>. The enzyme is highly specific for L-sorbose as other sugars, such as glucose, mannitol and sorbitol, are not substrates. Phenazine methosulfate and DCIP can act as artificial acceptors.

**Synonyms** SDH

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.99.32

**Reaction** L-sorbose + acceptor = 1-dehydro-L-sorbose + reduced acceptor

**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.