

## sulfoacetaldehyde dehydrogenase

Cat. No. EXWM-1175

Lot. No. (See product label)

### Introduction

#### Description

This reaction is part of a bacterial pathway that can utilize the amino group of taurine as a sole source of nitrogen for growth. At physiological concentrations, NAD<sup>+</sup> cannot be replaced by NADP<sup>+</sup>. The enzyme is specific for sulfoacetaldehyde, as formaldehyde, acetaldehyde, betaine aldehyde, propanal, glyceraldehyde, phosphonoacetaldehyde, glyoxylate, glycolaldehyde and 2-oxobutyrate are not substrates.

#### Synonyms

SafD

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.1.73

#### Reaction

2-sulfoacetaldehyde + H<sub>2</sub>O + NAD<sup>+</sup> = sulfoacetate + NADH + 2 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.