

## aspartate dehydrogenase

Cat. No. EXWM-1455

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is strictly specific for L-aspartate as substrate. Catalyses the first step in NAD biosynthesis from aspartate. The enzyme has a higher affinity for NAD<sup>+</sup> than NADP<sup>+</sup>.

#### Synonyms

NAD-dependent aspartate dehydrogenase; NADH<sub>2</sub>-dependent aspartate dehydrogenase; NADP<sup>+</sup>-dependent aspartate dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.4.1.21

#### CAS No.

37278-97-0

#### Reaction

L-aspartate + H<sub>2</sub>O + NAD(P)<sup>+</sup> = oxaloacetate + NH<sub>3</sub> + NAD(P)H + 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.