

## Native Pseudomonas sp. Oxaloacetate Decarboxylase

Cat. No. NATE-0494

Lot. No. (See product label)

### Introduction

**Description** Oxaloacetate decarboxylase or OAD functions as a Na pump in anaerobic bacteria. It is a membrane protein consisting of three subunits,  $\alpha$ ,  $\beta$  and  $\gamma$  with the  $\alpha$  subunit containing the carboxylase activity.

**Applications** Oxaloacetate decarboxylase has been used in a study to assess turnover and accessibility of a reentrant loop of the Na (+)-glutamate transporter GltS. It has also been used in a study to investigate fermentation and metabolic characteristics of Gluconacetobacter oboediens for different carbon sources.

**Synonyms** Oxaloacetate decarboxylase; EC 4.1.1.3; 9024-98-0; oxaloacetate  $\beta$ -decarboxylase; oxalacetic acid decarboxylase; oxalate  $\beta$ -decarboxylase; oxaloacetate carboxy-lyase; OAD

### Product Information

**Source** Pseudomonas sp.

**Form** lyophilized powder

**EC Number** EC 4.1.1.3

**CAS No.** 9024-98-0

**Activity** 100-350 units/mg solid

**Unit Definition** One unit will convert 1.0  $\mu$ mole of oxalacetate to pyruvate and CO<sub>2</sub> per min at pH 8.0 at 25°C.

### Storage and Shipping Information

**Storage** -20°C