

## Native *Streptococcus faecalis* Ornithine Transcarbamylase

Cat. No. NATE-0499

Lot. No. (See product label)

### Introduction

#### Description

Ornithine transcarbamylase (OTC) is an enzyme that catalyzes the reaction between carbamoyl phosphate (CP) and ornithine (Orn) to form citrulline (Cit) and phosphate (Pi). In plants and microbes, OTC is involved in arginine (Arg) biosynthesis, whereas in mammals it is located in the mitochondria and is part of the urea cycle.

#### Synonyms

Ornithine transcarbamylase; EC 2.1.3.3; citrulline phosphorylase; ornithine transcarbamylase; OTC; OTCase; carbamylphosphate-ornithine transcarbamylase; L-ornithine carbamoyltransferase; L-ornithine carbamyltransferase; L-ornithine transcarbamylase; ornithine carbamyltransferase; 9001-69-8

### Product Information

#### Source

*Streptococcus faecalis*

#### Form

Lyophilized powder contains Tris buffer salts

#### EC Number

EC 2.1.3.3

#### CAS No.

9001-69-8

#### Activity

> 600 units/mg protein

#### Unit Definition

One unit will form 1.0  $\mu$ mole of citrulline from ornithine and carbamyl phosphate per min at pH 8.5 at 37°C.

### Storage and Shipping Information

#### Storage

-20°C