Creative Enzymes®

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 μmole of citrulline from ornithine and carbamyl phosphate per min at pH 8.5 at 37°C.

Storage and Shipping Information

Storage	−20°C