Creative Enzymes®

Native Porcine Glutamic-Pyruvic Transaminase

Cat. No. NATE-0068

Lot. No. (See product label)

Introduction

Description	Alanine transaminase (ALT) is a transaminase enzyme (EC 2.6.1.2). It is also called alanine aminotransferase (ALAT) and was formerly called serum glutamate-pyruvate transaminase (SGPT) or serum glutamic-pyruvic transaminase (SGPT). ALT is found in plasma and in various body tissues, but is most common in the liver. It catalyzes the two parts of the alanine cycle. Serum ALT level, serum AST (aspartate transaminase) level, and their ratio (AST/ALT ratio) are commonly measured clinically as biomarkers for liver health. The tests are part of blood panels.
Synonyms	Alanine transaminase; ALT; EC 2.6.1.2; alanine aminotransferase; ALAT; glutamic-pyruvic transaminase; glutamic-alanine transaminase; GPT; β-alanine aminotransferase; alanine-α-ketoglutarate aminotransferase; alanine-pyruvate aminotransferase; glutamic acid-pyruvic acid transaminase; glutamic-pyruvic aminotransferase; L-alanine aminotransferase; L-alanine transaminase; L-alanine-α-ketoglutarate aminotransferase; pyruvate transaminase; pyruvate-alanine aminotransferase; pyruvate-glutamate transaminase

Product Information

Species	Porcine
Source	Porcine heart
Form	Type I, Lyophilized powder containing Citrate and acetate; Type II, ammonium sulfate suspension, Suspension in 1.8 M (NH4)2SO4 solution, pH 6.0.
EC Number	EC 2.6.1.2
CAS No.	9000-86-6
Activity	Type II, > 75 units/mg protein
Unit Definition	One unit will convert 1.0 μmole of α-ketoglutarate to L-glutamate per min at pH 7.6 at 37°C in the presence of L-alanine.

Storage and Shipping Information

Storage	−20°C