Creative Enzymes®

Native Human Aspartate Aminotransferase

Cat. No. NATE-0088

Lot. No. (See product label)

Introduction

Description	Aspartate Aminotransferase (AST), also known as Glutamate Oxaloacetate Transaminase (GOT), is a pyridoxal phosphate-dependant enzyme which exists in two isoenzymes; mitochondrial and cytosolic forms. The AST enzyme plays an important role in amino acid metabolism and in the urea and tricarboxylic acid cycles. In liver about 80% of the enzyme activity is mitochondrial in origin, whereas in serum the enzyme activity is largely cytosolic. In hepatic disease, serum levels are used to assess liver necrosis and for determining prognosis. In patients with acute Myocardial infarction, measurement of AST isoenzymes provides diagnostic information that differs from that obtained by determination of other marker proteins. Creative Enzymes products are not intended for use in pharmaceutical applications.
Applications	Research Life Science ELISA Assay Clinical Chemistry
Synonyms	EC 2.6.1.1; glutamic-oxaloacetic transaminase; glutamic-aspartic transaminase; transaminase A; AAT; AspT; 2-oxoglutaRate-glutamate aminotransferase; aspartate α-ketoglutaRate transaminase; aspartate aminotransferase; aspartate-2-oxoglutaRate transaminase; aspartic acid aminotransferase; aspartic aminotransferase; aspartyl aminotransferase; AST; glutamate-oxalacetate aminotransferase; glutamate-oxalate transaminase; glutamic-aspartic aminotransferase; glutamic-oxalacetic transaminase; glutamic oxalic transaminase; GOT (enzyme); L-aspartate transaminase; L-aspartate-α-ketoglutaRate transaminase; L-aspartate-2-ketoglutaRate aminotransferase; L-aspartate-2-oxoglutaRate aminotransferase; L-aspartate-2-oxoglutaRate-transaminase; L-aspartic aminotransferase; oxaloacetate-aspartate aminotransferase; oxaloacetate transferase; aspartate:2-oxoglutaRate aminotransferase; glutamate oxaloacetate transaminase; 9000-97-9

Product Information

Species	Human
Source	Human Cardiac Tissue
EC Number	EC 2.6.1.1
CAS No.	9000-97-9
Activity	>50U/ml
Buffer	Human Cardiac Tissue

Storage and Shipping Information

Storage	-20°C