CREATIVE BIOMART®
Assay Kit

Aspartate Aminotransferase (AST or SGOT) Activity Colorimetric Assay Kit

Product Information

Cat

Kit-2303

Cat.No. Kit-2303

Product Overview

Aspartate aminotransferase (AST), also known as Glutamate-oxaloacetate transaminase (GOT) is a transaminase (EC 2.6.1.1) similar to the more liver specific alanine transaminase (ALT). Although commonly included clinically as part of a diagnostic liver function test, AST has a broader clinical utility since it may also be elevated in diseases affecting other organs, such as the heart or muscles in myocardial infarction, also in acute pancreatitis, acute hemolytic anemia, severe burns, acute renal disease, musculoskeletal diseases and trauma. It catalyzes the reaction:Aspartate +;-Ketoglutarate;Oxaloacetate + Glutamate Diagnostically, it is almost always measured in units/liter (U/L). In AST Assay Kit, an amino group is transferred of from aspartate to;-ketoglutarate. The products of this reversible transamination reaction are oxaloacetate and glutamate. The glutamate is detected in a reaction that concomitantly converts a nearly colorless probe to color (λmax = 450 nm). The kit provides a rapid, simple, sensitive and reliable test suitable as a high throughput activity assay of AST with a detection limit of 10 mU per well.

Applications

This assay detects AST/ SGOT with a detection limit of 10 mU per well.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

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AST Assay Buffer; AST Enzyme Mix; Developer; AST Substrate; Glutamate Standard (0.1M); AST Positive Control

Target Species

Mammalian

Detection method Absorbance (450 nm)

Features & Benefits

Simple procedure;
Fast, reliable and convenient;
Sensitive assays for measuring AST/ SGOT activity in various biological samples and the kit is also suitable for high throughput analyses.

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