

Aspartate Aminotransferase / AST (GOT) Assay Kit

Catalogue No.: abx096003

Aspartate Transaminase / GOT (AST) Assay Kit is an assay kit designed for the detection and quantification of Aspartate Transaminase activity in serum, plasma, tissue homogenates, cell lysates and cell culture supernatants using a microplate reader (Reitman-Frankel Method). AST enables alpha-ketoglutaric acid and aspartic acid to displace amino and keto groups to form glutamic acid and oxaloacetic acid. Oxaloacetic acid can decarboxylate itself to form Pyruvic acid during the reaction. Pyruvic acid reacted with 2,4-dinitrophenylhydrazine (DNPH) to form 2,4-dinitrophenylhydrazone showing reddish-brown in alkaline solution. Measure the OD values and calculate the enzyme activity. This kit is also available for the Spectrophotometric detection - [abx294136](#).

Target: Aspartate Aminotransferase / AST (GOT)

Storage: Shipped at 4°C. Upon receipt, store the kit according to the storage instruction in the kit's manual.

Validity: The validity for this kit is 12 months.

Test Range: 1.1 IU/L - 72.3 IU/L

Sensitivity: 1.1 IU/L

Detection Method: Colorimetric

Assay Data: Quantitative

CAS Number: 9000-97-9

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.