

Aspartate Amino Transferase (AST/GOT) Activity Assay Kit

Cat No: HR3BC1182

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(500-520 nm)
Assay Time	80 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,animal tissue,cells,cell culture supernatant
Synonyms	AST,GOT,Glutamic-oxalacetic transaminase
Instrument	Microplate reader(500-520 nm)
Detection Principle	AST/GOT 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.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator, Multichannel pipette
Size	96T
Sensitivity	1.1 IU/L
Detection Range	1.1-72.3 IU/L
Recovery Rate	