

Aspartate Amino Transferase (AST/GOT) Activity Assay Kit

Cat No: HR3BC1263

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(505 nm)
Assay Time	100 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, animal tissue
Synonyms	AST, GOT
Instrument	Spectrophotometer(505 nm)
Detection Principle	AST enables alpha-ketoglutaric acid and aspartic acid to displace amino to form glutamic acid and oxaloacetic acid. Oxaloacetic acid can decarboxylate itself to form Pyroracemic acid during the reaction. Pyroracemic 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)
Labware	Test tube, Micropipettor, 37? Water bath, Vortex mixer
Size	100 assays
Sensitivity	0.38 IU/L
Detection Range	0.38-72.30 IU/L
Recovery Rate	104