Alanine Aminotransferase (ALT/GPT) Activity Assay Kit (Reitman-Frankel Method)

Cat No: HR3BC1156

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	ALT,GPT,Glutamic-pyruvic transaminase
Instrument	Microplate reader(500-520 nm)
Detection Principle	ALT catalyze the amino conversion reaction between alanine and ?-ketoglutaric acid to produce pyruvic acid and glutamic acid at pH 7.4 and 37?. Then phenylhydrazine was added to form phenylhydrazone with pyruvic acid. Phenylhydrazone is reddish brown under alkaline conditions. ALT activity can be calculated by measuring the OD values at 510 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator, Multichannel pipette
Size	96T
Sensitivity	0.75 IU/L
Detection Range	0.75-72.3 IU/L
Recovery Rate	