

Alanine Aminotransferase (ALT/GPT) Activity Fluorometric Assay

Cat No: HR3BC1247

For research use only

Overview

Detection Method	Fluorescence method
Storage	-20°
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/587 nm)
Assay Time	75 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, animal tissue
Synonyms	ALT
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/587 nm)
Detection Principle	ALT catalyze the amino conversion reaction between alanine and α -ketoglutaric acid to produce pyruvic acid and glutamic acid. Under the action of pyruvate oxidase, pyruvic acid generates H_2O_2 , which reacts with the non-fluorescent substance to form fluorescent substance under the action of peroxidase. The activity of ALT can be calculated by measuring the increase of fluorescence value at the excitation wavelength of 535 nm and the emission wavelength of 590 nm.
Reagents	
Labware	Pipettor, Vortex mixer, Centrifuge
Size	96T
Sensitivity	0.01 U/L
Detection Range	0.01-0.83 U/L
Recovery Rate	