



Catalase (CAT) Activity Fluorometric Assay Kit

Cat No: HR3BC1241

For research use only

Overview

Detection Method	Fluorescence method
Storage	-20?
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/587 nm)
Assay Time	30 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, animal tissue
Synonyms	CAT
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/587 nm)
Detection Principle	Catalase can decompose H ₂ O ₂ to generate H ₂ O and O ₂ , the residual H ₂ O ₂ in the detection system react with the fluorescent substance, and the content of residual H ₂ O ₂ is proportional to the fluorescence intensity at the excitation wavelength of 535 nm and emission wavelength of 587 nm, the catalase activity is inversely proportional to the fluorescence intensity.
Reagents	
Labware	Vortex mixer, Centrifuge
Size	96T
Sensitivity	0.01 U/L
Detection Range	0.01-6.51 U/L
Recovery Rate	92