Free Fatty Acids (FFA) Fluorometric Assay Kit

Cat No: HR3BC1248

For research use only

Overview

Detection Method	Fluorescence method
Storage	-20?
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Assay Time	70 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, animal tissue
Synonyms	FFA/NEFA
Instrument	Fluorescence microplate reader (Ex/Em=535 nm/590 nm)
Detection Principle	Free fatty acids produce acyl coenzyme A in the presence of acyl synthase, which produces hydrogen Free fatty acids produce acyl coenzyme A in the presence of acyl synthase, which produces hydrogen peroxide in the presence of acyl oxidase. In the presence of the enzyme and probe, hydrogen peroxide react to produce the fluorescence substrate. The fluorescence intensity at the excitation wavelength of 535 nm and emission wavelength of 590 nm is directly proportional to the concentration of free fatty acids.
Reagents	
Labware	Micropipette, Vortex mixer, Centrifuge
Size	96T
Sensitivity	0.58 ?mol/L
Detection Range	0.58-20 ?mol/L
Recovery Rate	96