Non-esterified Free Fatty Acids (NEFA) Colorimetric Assay Kit

Cat No: HR3BC1162

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Semi-automatic biochemical analyzer (546 nm), automatic biochemical analyzer (546 nm), Microplate re
Assay Time	
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,tissue homogenate,cells,cell supernatant
Synonyms	NEFA
Instrument	Semi-automatic biochemical analyzer (546 nm), automatic biochemical analyzer (546 nm), Microplate re
Detection Principle	NEFA and can react with coenzyme A and form acetyl-CoA under the catalysis of acetyl-CoA-synthetase (ACS). Acetyl-CoA can produce H2O2 when catalyzed by acetyl-CoA-oxidase (ACOD). Then H2O2 react with TOOS and 4-amino-antipyrine (4-APP) to generate a colored substrate under the catalysis of peroxidase (POD). The colored substrate has a maximum absorption peak at 546 nm. Measure the OD value at 546 nm and calculate the NEFA content indirectly.
Reagents	Normal saline (0.9% NaCl)
Labware	
Size	96T
Sensitivity	
Detection Range	0.01-3.0 mmol/L
Recovery Rate	