Free Cholesterol (FC) Colorimetric Assay Kit

Cat No: HR3BC1239

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(495-525 nm,optimum wavelength: 510 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, tissue
Synonyms	FC
Instrument	Microplate reader(495-525 nm,optimum wavelength: 510 nm)
Detection Principle	Free cholesterol produces 4-cholestenone and hydrogen peroxide under the oxidation of cholesterol oxidase. In the presence of 4-aminoamylpyridine and phenol, peroxidase catalyze hydrogen peroxide to form red quinone compounds of benzoquinone imine phenizone. The color depth of the generated quinones is directly proportional to the cholesterol content.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4), Isopropanol(AR)
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	96T
Sensitivity	0.07 mmol/L
Detection Range	0.07-24 mmol/L
Recovery Rate	