

Total Cholesterol and Cholesteryl Ester Assay Kit - Fluorometric

Catalog Number: AKAS0561

Price: [Online Inquiry](#)

Product Information	
Product Name	Total Cholesterol and Cholesteryl Ester Assay Kit - Fluorometric
Instruments	Microplate Reader
Sample Type	Serum, Plasma, Animal Tissue, Cells
Research Area	Ferroptosis Diabetes & Obesity
Detection Principle	Total cholesterol (TC) includes free cholesterol (FC) and cholesteryl esters (CE). Cholesterol ester can be hydrolyzed by cholesterol esterase to produce cholesterol and free fatty acid. Cholesterol is oxidized by cholesterol oxidase to produce Δ^4 -cholestenone and hydrogen peroxide. In the presence of the enzyme and probe, hydrogen peroxide can be catalyzed to produce the fluorescence substrate. The fluorescence intensity at the excitation wavelength of 535 nm and emission wavelength of 590 nm is proportional to the cholesterol concentration.
Assay Time	20 min
Storage	-20°C
Shipping Conditions	Gel Pack