High-Density Lipoprotein Cholesterol Content Assay kit

High-density lipoprotein (HDL) is a lipoprotein that contains a small amount of cholesteroland carries cholesterol away from body cells and tissues. High-density lipoprotein cholesterol(HDL-C) concentrations negatively correlate with the incidence of atherosclerosis andcoronaryheart disease. Therefore, accurate and precise measurements of patients' HDL-Cconcentrationsarenecessary to appropriately identify individuals with atherosclerosis, coronary heart diseaseandhypertension. Cholesterol is specifically dissociated by one surfactant from HDL. Esterase can catalyzethehydrolysis of cholesterol ester to produce free cholesterol (FC) and free fatty acid (FFA), thustransforming cholesterol ester into FC; Furthermore, cholesterol oxidase can catalyze FCtoform4-cholesterone and H2O2; Finally, peroxidase can catalyze the oxidation of 4-aminoantipyrineandphenyl amines by H2O2 to form purple quinones. It has a characteristic absorption peakat 546nm,and its color depth is directly proportional to cholesterol content.

Catalog No.	250532
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs