

Total cholesterol Assay Kit

Total cholesterol assay kit (Single reagent, GPO-PAP method)

CATALOG #
AAA172710

PRODUCT SYNONYMS

Total cholesterol; Total cholesterol assay kit (Single reagent; GPO-PAP method); Total cholesterol assay kit

PRODUCT SPECIFICATIONS

Specificity	100 assays (Can detect 96 samples without duplication)
Samples	Serum, plasma, tissue, cells and other samples
Detection Range	0.09-25.85 mmol/L
Sensitivity	0.09 mmol/L
Intra-assay Precision	The intra-assay CV is 1.1 %
Inter-assay Precision	The inter-assay CV is 2.8 %.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

ADDITIONAL INFORMATION

Related Product Information for Total cholesterol assay kit

Principle of the Assay: Total cholesterol includes free cholesterol and cholesterol esters. 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 4-aminoamylpyridine and phenol, hydrogen peroxide catalyze peroxidase to form red quinone compounds of benzoquinone imine phenizone. The color depth of the generated quinone is directly proportional to the cholesterol content. The absorbance values of the standard tube and the sample tube are measured respectively, and the cholesterol content in the sample can be calculated.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/total-cholesterol/172710>