

Total Cholesterol (TC) Assay Kit | TC assay kit

Total Cholesterol (TC) Colorimetric Assay Kit

CATALOG #
AAA332485

PRODUCT SYNONYMS

Total Cholesterol (TC); Total Cholesterol (TC) Colorimetric Assay Kit; TC; cholesterol; TC assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, Plasma, Animal Tissues, Cells, Bacteria
Features & Benefits	Determination of Total Cholesterol (TC) content in a variety of biological samples such as serum, plasma, tissues, cells, and bacteria. Detailed sample preparation and result calculation methods are provided. Simple operation steps.
Usage Notes	Do not mix or substitute reagents or materials from other kit lots or vendors. There are volatile substances in the kit, gloves and masks should be worn during the experiment, and the reagent bottle cap should be tightly closed in time after opening. Ensure all reagents and equipment are at the appropriate temperature before starting the assay.
Preparation and Storage	Storage at 4 degree C and protected from light upon receipt. Kit has a storage time of 12 months form receipt. Shipping: Gel pack with blue ice.

ADDITIONAL INFORMATION

Related Product Information for TC assay kit	Principle of the Assay: Total Cholesterol (TC) includes free cholesterol and cholesterol esters. Tissue Total Cholesterol (TC) refers to the sum of cholesterol contained in all lipoproteins in the tissue. CheKine™ Total Cholesterol (TC) Colorimetric Assay Kit provides a simple method for detecting TC concentration in a variety of biological samples such as Serum, Plasma, Animal Tissues and Cells, Bacteria. In the assay, esterase catalyzes the hydrolysis of cholesterol esters to produce free cholesterol (FC) and free fatty acids (FFA). Then Cholesterol oxidase catalyzes free cholesterol (FC) to produce delta4-cholestenone and H2O2. Further, H2O2, 4-aminoantipyrine and phenol can be catalyzed by peroxidase to form red quinone compounds which has a characteristic absorption peak at 500 nm. The Total Cholesterol (TC) present in the sample is proportional to the signal obtained.
Product Categories/Family for TC assay kit	Cell Metabolism

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-tc/332485>