

# High Density Lipoprotein Cholesterol (HDL-C) Assay Kit | HDL-C assay kit

Micro High Density Lipoprotein Cholesterol (HDL-C) Assay Kit

CATALOG #  
**AAA332610**

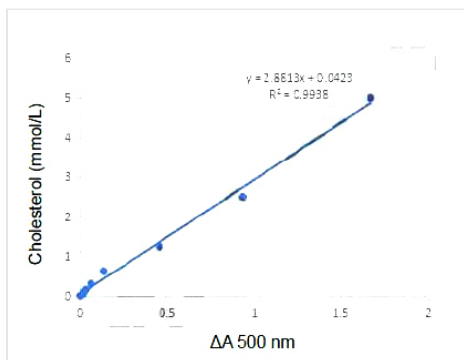
## PRODUCT SYNONYMS

High Density Lipoprotein Cholesterol (HDL-C); Micro High Density Lipoprotein Cholesterol (HDL-C) Assay Kit; HDL-C assay kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Samples                 | Serum                                                                                                                                                                |
| Detection Range         | 0.078-5 mmol/L                                                                                                                                                       |
| Sensitivity             | 0.039 mmol/L                                                                                                                                                         |
| Notes                   | Micro High Density Lipoprotein Cholesterol (HDL-C) Assay Kit provides a convenient tool for sensitive detection of the High Density Lipoprotein Cholesterol (HDL-C). |
| Preparation and Storage | Store at -20 degree C and protected from light upon receipt. Kit has a storage time of 12 months form receipt.                                                       |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for HDL-C assay kit

Principle of the Assay: High Density Lipoprotein Cholesterol (HDL-C) as one of the serum proteins, mainly synthesized by the liver. It's carrying cholesterol from surrounding tissues, which is then converted into bile acids or directly excreted from the intestine through bile. It is an anti-atherosclerotic plasma lipoprotein, a protective factor for coronary heart disease (CHD), commonly known as "vascular scavenger", and is an important reference index for the clinical identification of coronary heart disease (CHD). CheKine™ Micro High Density Lipoprotein Cholesterol (HDL-C) Assay Kit provides a convenient tool for detection of HDL-C. The principle is that HDL-C in serum was separated with precipitant, and cholesterol esterase was used to catalyze the hydrolysis of cholesterol ester into free cholesterol (FC) and free fatty acid (FFA), so as to convert cholesterol ester into FC. Furthermore, cholesterol oxidase catalyzed FC oxidation to produce delta4-cholestenone and H<sub>2</sub>O<sub>2</sub>. Then peroxidase catalyzes the oxidation of 4-amino-antipyrine and phenol with H<sub>2</sub>O<sub>2</sub> to produce red quinone compounds has a characteristic absorption peak at 500 nm.

### Product Categories/Family for HDL-C assay kit

[Cell Metabolism](#); [Biochemical Assay Kit](#); [Biochemical Kit](#); [Cytology](#)

**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://www.aaabiotech.com/assay-kits/high-density-lipoprotein-cholesterol-hdl-c/332610>