

## Low-Density Lipoprotein Cholesterol (LDL-C) Assay Kit | LDL-C assay kit

Low-Density Lipoprotein Cholesterol (LDL-C) Colorimetric Assay Kit (Double Reagents)

CATALOG #  
**AAA179694**

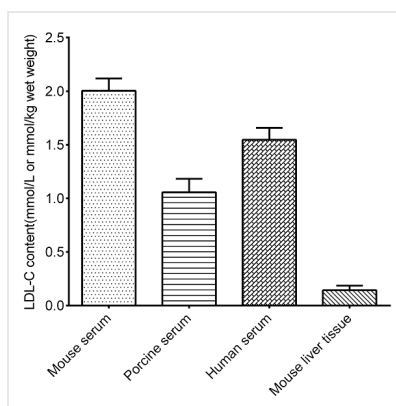
### PRODUCT SYNONYMS

Low-Density Lipoprotein Cholesterol (LDL-C); Low-Density Lipoprotein Cholesterol (LDL-C) Colorimetric Assay Kit (Double Reagents); LDL-C assay kit

### PRODUCT SPECIFICATIONS

|                         |                                                                              |
|-------------------------|------------------------------------------------------------------------------|
| Detection Type          | Colorimetric                                                                 |
| Result Type             | Quantitative                                                                 |
| Samples                 | Serum, Plasma, Animal tissue                                                 |
| Detection Range         | 0.061–12mmol/L                                                               |
| Sensitivity             | 0.061mmol/L                                                                  |
| Precision               | Intra-assay CV: 1.1-4.8%<br>Inter-assay CV: 3.2-7.3%                         |
| Detection Instrument    | Spectrophotometer                                                            |
| Preparation and Storage | This product can be stored at 2-8 degree C for 12 months with shading light. |

### IMAGES



Application Data

### ADDITIONAL INFORMATION

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

Lipoproteins (except low-density lipoprotein cholesterol (LDL)) such as high density lipoprotein (HDL), chylomicron (CM), and very low density lipoprotein (VLDL) change structure and dissociate under the action of surfactants. The released micronized cholesterol molecules react with cholesterol enzyme reagents, and the generated hydrogen peroxide is trapped in the absence of coupling agent. It is consumed without color development. At this time, the LDL particles are still intact, and then the reagent containing coupling agent is added, which can dissociate the LDL particles to release cholesterol, which is catalyzed by cholesterol esterase (CE) and cholesterol oxidase (CO) and produce hydrogen peroxide. Hydrogen peroxide is catalyzed by oxidase (POD) in the presence of 4-aminoantipyrine (4-AA) and phenol (T-OOS) to form a red quinone compound, the shade of color is directly proportional to the LDL-C content.

**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/low-density-lipoprotein-cholesterol-ldl-c/179694>