

CATALOG# 79970 **RAT HDL-CHOLESTEROL ASSAY KIT**

Catalog number

Rat HDL-Cholesterol Assay Kit......79970

Intended use

A high quality enzymatic assay for the quantification of rat HDL-cholesterol in serum and plasma.

Test principle

Crystal Chem's Rat HDL-Cholesterol assay is based on a modified polyvinyl sulfonic acid (PVS) and polyethyleneglycol methyl ether (PEGME) coupled classic precipitation method with the improvements in using optimized quantities of PVS/PEGME and selected detergents. LDL, VLDL, and chylomicron (CM) react with PVS and PEGME and the reaction results in inaccessibility of LDL, VLDL and CM by cholesterol oxidase (CHOD) and cholesterol esterase (CHER), whereas HDL reacts with the enzymes. The HDL reacts with the enzymes to produce H₂O₂ which is quantified by the Trinder reaction.

Specifications

| Sample Types | Serum, Plasma |
|--------------|-----------------|
| Assay Time | 10 minutes |
| Range | 1.5 - 180 mg/dL |
| Sample Size | 3 µL |
| Precision | CV < 10 % |
| Sensitivity | 1.1 mg/dL |

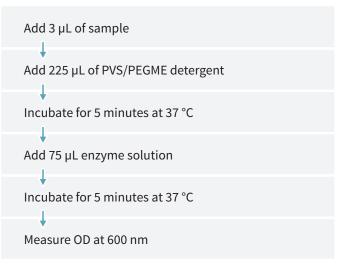
Optional Control

Control for Rat HDL- Cholesterol Assay Kit......Cat# 79973

Highlights

- ✓ Kits use only 3 µL sample
- ✓ Fast assay time (10 minutes)
- ✓ Accurate and easy-to-use
- ✓ Optimized for rat samples

Summary of protocol





Crystal Chem Europe Tel: +31(0)20 808 5931 europe@crystalchem.com

