

CATALOG# 79990

MOUSE HDL-CHOLESTEROL ASSAY KIT

Catalog number

Mouse HDL-Cholesterol Assay Kit.....79990

Intended use

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

Test principle

Crystal Chem's Mouse HDL-Cholesterol assay is based on a modified polyvinyl sulfonic acid (PVS) and polyethylene-glycol 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 Mouse HDL- Cholesterol Assay Kit...Cat# 79993

Highlights

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

Summary of protocol

Add 3 µL of sample



Add 225 µL of PVS/PEGME detergent



Incubate for 5 minutes at 37 °C



Add 75 µL of enzyme solution



Incubate for 5 minutes at 37 °C



Measure OD at 600 nm

