

# PLTP Inhibitor Drug Screening Kit

**Cat. No.** Kit-0710    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Simple procedure; takes ~40 minutes  
Fast and convenient  
Provided all necessary buffers and reagents, as well as positive control for accurate assay of activity of plasma phospholipid transfer protein (PLTP).

**Size**      100 assays

**Description**      Plasma phospholipid transfer protein (PLTP) is thought to play a major role in the facilitated transfer of phospholipids between lipoproteins and in the modulation of high-density lipoprotein (HDL) particle size and composition. PLTP-facilitated lipid transfer activity is related to HDL and LDL metabolism, as well as lipoprotein lipase activity, adiposity, and insulin resistance. The PLTP Drug Screening Kit utilizes rabbit serum as PLTP activity source to screen PLTP inhibitors. The assay uses a donor molecule containing a fluorescent self-quenched phospholipid that is transferred to an acceptor molecule in the presence of PLTP. PLTP-mediated transfer of the fluorescent phospholipid to the acceptor molecule results in an increase in fluorescence (Ex/Em: 465/535). Inhibitor of PLTP will inhibit the lipid transfer and therefore decrease fluorescence intensity. The kit provides sufficient reagents for 100 PLTP inhibitor screening assays.

**Target Species**      Mammalian

**Usage**      This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

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<b>Kit Components</b>	PLTP Donor Molecule PLTP Acceptor Molecule PLTP Assay Buffer (10X) Positive Control (Rabbit Serum)
<b>Detection method</b>	Fluorometer
<b>Compatible Sample Types</b>	Cell Culture Supernatants Plasma Serum Urine

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