Product Information

Roar Ex Vivo CETP Activity Assay, 92 assays
Cat. No. RB-EVAK version C100
and Canadian Pat. No. 2480439

Assay Method: Fluorometric

Number of Assays: 92 assays in 105 μl total assay volume

Assay Components:
- Reagent A
- Reagent B
- Assay Buffer Blank

Instrumentation: Fluorescence microplate reader (excitation: 465 nm / emission 535 nm)

Introduction

Cholesteryl ester transfer protein (CETP), present in normal human plasma, transfers neutral lipids among the different classes of lipoproteins (HDL, LDL, VLDL). CETP plays an important role in lipoprotein metabolism and influences the reverse cholesterol transport pathway. The **Roar Ex Vivo CETP Activity Assay** is a unique assay that eliminates the dilution factor associated with conventional CETP activity assays. The method is performed with all plasma components at near physiological concentration, measuring CETP activity *in vitro* with the effect of known endogenous inhibitors (apo-C1, for example) as occurs *in vivo*. The assay has been extensively validated and used by pharmaceutical companies in the CETP inhibitor human clinical trials for many years. This assay has piqued the interest of epidemiological researchers and in a large population study the results from this assay (and our PLTP activity assay) are a significant biomarker for CVD in men.

The **Roar Ex Vivo CETP Activity Assay** includes proprietary substrates that enable the detection of CETP-mediated transfer of neutral lipid among the substrates. The CETP transfer activity results in an increase in fluorescence intensity. The combined assay substrate volume is 4.8% of the total assay volume and the plasma volume is 95.2% of the assay volume. The assay is incubated for 90 minutes at 37°C.

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Please contact us for more information about this assay, or to request a complete protocol.

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This product is the subject of U.S. Pat. Nos. 7,279,297; 7,642,065, European Pat. No. 1492880,

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