



## Product Information

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### Roar CETP RP Activity Assay Kit, 250 assays

Catalog No. RB-RPAK

U.S. Pat. Nos. 5,585,235; 5,618,683; 5,770,355

<b>Assay Method</b>	Fluorometric
<b>Number of Assays</b>	250 assays in 200 µl total assay volume
<b>Kit Contents</b>	Donor particle: 1 ml Acceptor particle: 1 ml Assay buffer: 5 ml 10X
<b>Storage and Handling</b>	Store kit components at 4°C. If stored properly, components are stable for up to 1 year. DO NOT FREEZE.
<b>Instrumentation</b>	Fluorescence spectrophotometer: cuvette or microplate reading formats. Excitation: 465 nm / Emission: 535 nm

### Introduction

Cholesteryl ester transfer protein (CETP) is present in normal human plasma and transfers neutral lipids from high density lipoproteins (HDL) to very low density lipoprotein (VLDL) and low density lipoprotein (LDL). CETP plays an important role in lipoprotein metabolism and influences the reverse cholesterol transport pathway.

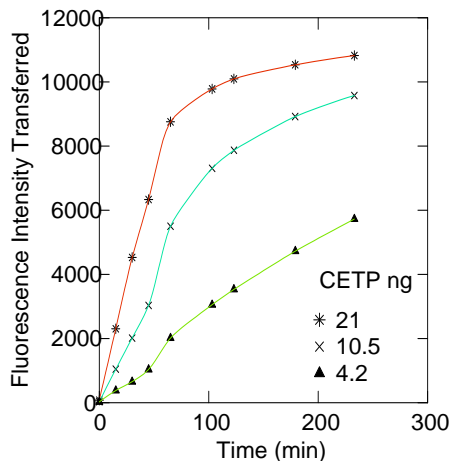
The **Roar CETP/RP Activity Assay** uses synthetic particle substrates designed for detecting changes in specific neutral-lipid-mass transfer. The assay provides high signal-to-background values (Fig. 1) over a wide linear range and >95% inhibition with a CETP inhibitory monoclonal antibody (Fig. 2).

Applications for this method include high-throughput screening, mechanism of action studies and structure-activity relationship (SAR) work.

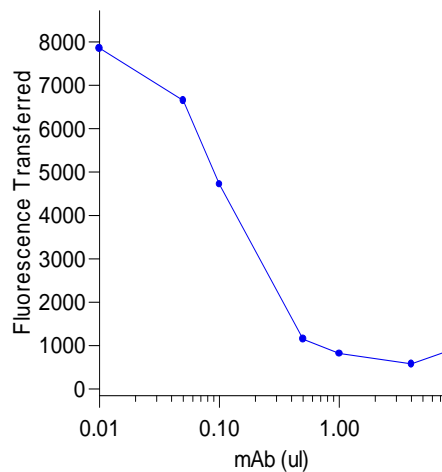
### Advantages

- Synthetic assay components support manipulation for mechanism of action studies
- High signal-to-background within a wide linear range
- Assay components stable for up to 1 year
- High DMSO tolerance

## Performance Characteristics of the RB-RPAK Kit



**Figure 1.** Measurement of CETP activity using the RB-RPAK kit and recombinant CETP (Roar cat. #R8899).



**Figure 2.** Inhibition with CETP neutralizing monoclonal antibody.

## Related Products

R8899	CETP, active human recombinant
RB-CETP	Roar CETP Activity Assay Kit
RB-EVAK	Roar Ex Vivo CETP Activity Assay Kit

## Additional Information

For more information or to request a complete protocol, contact us at:

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