

## CETP Mass (Cholesteryl Ester Transfer Protein)

**Analyte:** Cholesteryl Ester Transfer Protein - Mass

**Specimen Type:** Serum, EDTA Plasma, Citrate Plasma

**Optimum Volume:** 0.5 mL

**Stability:**

2-8 Degrees C	-20 Degrees C	-70 Degrees C
12 days	2 months	3.5 years

**Reporting Units:** ug/mL

**Method:** ELISA

**Biological or Clinical Significance:**

Plasma cholesteryl ester transfer protein (CETP) facilitates the transfer of cholesteryl ester (CE) from high density lipoprotein (HDL) to apolipoprotein B-containing lipoproteins. Since CETP regulates the plasma levels of HDL cholesterol and the size of HDL particles, CETP is considered to be a key protein in reverse cholesterol transport, a protective system against atherosclerosis. The importance of plasma CETP in lipoprotein metabolism was demonstrated by the discovery of CETP-deficient subjects with marked hyperalphalipoproteinemia.

**Principle of Test Method:**

The CETP assay is a solid-phase ELISA designed to measure human CETP mass in serum and plasma. It employs the quantitative sandwich enzyme immunoassay principle.

**References:**

- 1.Yoshida A, Kodama M, Nomura H, Kobayashi N, Sumida K, Naito M. Variability in cholesteryl ester transfer protein in healthy Japanese hyper-HDL-cholesterolemic subjects. Intern Med. 2002 41:357-359.
- 2.Sasai K, Okumura-Noji K, Hibino T, Ikeuchi R, Sakuma N, Fujinami T, Yokoyama S. Human cholesteryl ester transfer protein measured by enzyme-linked immunosorbent assay with two monoclonal antibodies against rabbit cholesteryl ester transfer protein: plasma cholesteryl ester transfer protein and lipoproteins among Japanese hypercholesterolemic patients. Clin Chem. 1998;44:1466-1473.
- 3.Barter PJ, Brewer, Jr. B, Chapman MJ, Hennekens CH, Rader DJ and Tall AR. Chosteryl Ester Transfer Protein: A novel target for raising HDL and inhibiting atherosclerosis. Atheroscler Thromb Vasc Biol. 2003; 23:160-167.