

**HDL****Name:** 2.0 mg**Cat. #:** 10460**Purity:** 98% (Co-migrates with reference on agarose gel electrophoresis)**Concentration:** Minimum 2.25 mg/ml protein

**Description:** Human High Density Lipoprotein

**Background:** LDL is a large protein (MW 3,500 kDa) with a diameter of 25.8 nm. It is composed of approximately 20–25% protein and 75–80% lipid. The lipid portion can be further described as 9% free cholesterol, 42% cholesteryl ester, 20–24% phospholipid, and 5% triglyceride.

**Source:** Human plasma, which tested negative for HBsAG, HIV1/2, HIV-NAT, HCV, HCV-NAT and Syphilis. It is purified via ultracentrifugation to homogeneity ( $d=1.063\pm 0.001$  g/mL) determined by agarose gel electrophoresis. Each lot is analyzed on agarose gel electrophoresis for migration versus HDL.

**Tested Applications:** Human HDL are evaluated for receptor binding to Activity: peritoneal macrophages in conjunction with our Dil-HDL and [ $^{125}$ I] Ox-HDL.

**Storage & Stability:** Human HDL is stable for 6 weeks after receipt when handled aseptically and stored at 2–8°C (**Don't Freeze**). Note: After prolonged storage, some precipitate may be observed. This is normal for the product. Spin in centrifugation at 1000×g for 3 minutes before using.

**Packaging:** HDL is membrane filtered (0.22 micron) and aseptically packaged under nitrogen in a solution containing phosphate-buffered saline at pH 7.4 and 0.2 mM EDTA- $\text{Na}_2$ . The product requires 1 week lead time. Please plan your experiments in advance and use the fresh material.