

## HDL

<b>Cat. #:</b>	10460	<b>Name:</b>	2.0 mg
<b>Purity:</b>	98% (Co-migrates with reference on agarose gel electrophoresis)		
<b>Concentration:</b>	Minimum 2.25 mg/ml protein		
<b>Description:</b>	Human High Density Lipoprotein		
<b>Background:</b>	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.		
<b>Source:</b>	Human plasma, which tested negative for HBsAG, HIV1/2, HIV-NAT, HCV, HCV-NAT and Syphilis. It is purified via ultracentrifugation to homogeneity ( $d=1.063\text{--}1.21\text{ g/mL}$ ) determined by agarose gel electrophoresis. Each lot is analyzed on agarose gel electrophoresis for migration versus HDL.		
<b>Tested Applications:</b>	Human HDL are evaluated for receptor binding to Activity: peritoneal macrophages in conjunction with our Dil-HDL and [ $^{125}$ ] Ox-HDL.		
<b>Storage &amp; Stability:</b>	Human HDL is stable for 6 weeks after receipt when handled aseptically and stored at 2-8°C ( <b>Don't Freeze</b> ). 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.		
<b>Packaging:</b>	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-Na <sub>2</sub> . The product requires 1 week lead time. Please plan your experiments in advance and use the fresh material.		