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Native Human Lipoproteins, Intermediate Density

Catalog No.	CRA170A	**Quantity:**	1 mg

Alternate Names: Intermediate density lipoprotein, IDL

Description: Intermediate-density lipoproteins (IDLs) are formed from the degradation of very low-density lipoproteins as well as high-density lipoproteins. IDL is one of the five major groups of lipoproteins (chylomicrons, VLDL, IDL, LDL, HDL) that enable fats and cholesterol to move within the water-based solution of the bloodstream.
VLDL is a large, triglyceride-rich lipoprotein secreted by the liver that transports triglyceride to adipose tissue and muscle. The triglycerides in VLDL are removed in capillaries by the enzyme lipoprotein lipase, and the VLDL returns to the circulation as a smaller particle with a new name, intermediate-density lipoprotein (IDL). The IDL particles have lost most of their triglyceride, but they retain cholesteryl esters. Some of the IDL particles are rapidly taken up by the liver; others remain in circulation, where they undergo further triglyceride hydrolysis by hepatic lipase and are converted to LDL.

Source: Human plasma

Molecular Weight: 5,000-10,000 kDa

Formulation: 150 mM NaCl, pH 7.4 containig 0.01% EDTA

Purity: >95% by SDS-PAGE analysis
Essentially free of other plasma lipoproteins as determined by electrophoresis using a SPIFE Vis Cholesterol gel kit for lipids and Coomassie Blue for proteins.

Density: 1.006-1.019 g/ml

Composition:
83% lipid
17% protein
8% carbohydrate

Storage & Stability: Store unopened at 2-8°C for up to 1 year. **DO NOT FREEZE.**

Infectious Disease Statement: Prepared from plasma shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

SDS-PAGE of IDL

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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