

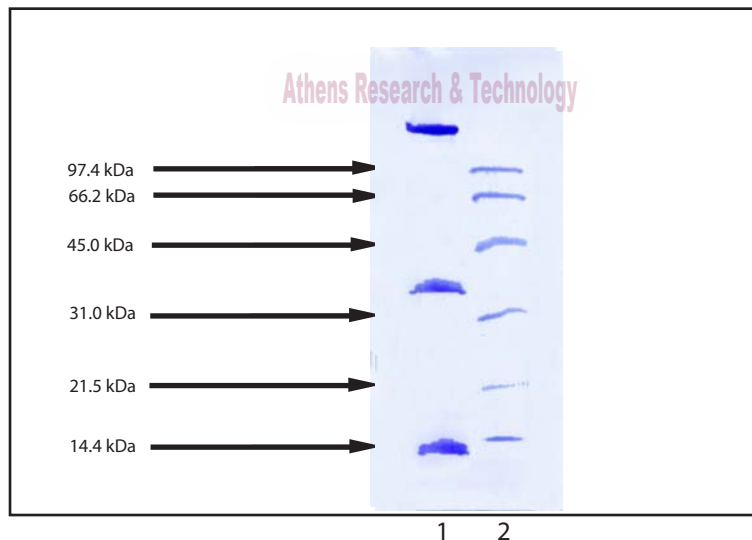
Athens Research & Technology

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Gel Scan of Representative Lot

Lipoproteins, Very Low Density, Human Plasma, Suitable for Cell Culture

ART Catalog No. 12-16-221204-TC



SDS-PAGE:

12% BIO-RAD Tris HCl gel

1. VLDL - 10 μ g (reduced / heat)
2. LMW Standard (BIO-RAD Cat. No. 161-0304)

Molecular Weight: 10-80,000,000

Protein Determination:

Modified Lowry Based on BSA as standard

Density: <0.95 g/ml; **Composition:** 98% lipid, 2% Protein

Sterility Testing:

Using Turbidity Growth/No Growth as the Indicator

Thioglycollate Broth (THIO) for yeast and mold growth

Tryptic Soy Broth (TSB) for bacterial growth

Considerations:

Storage Conditions: 2-6° C, away from light

Stability: > 6 months from production date

Buffer: 150 mM NaCl, pH 7.4, 0.01% EDTA

Endotoxin Level: <= 10 EU/mg by Pyrosate LAL clot test

Physical Specifications:

Liquid

Purity:

Single arc by IEP against antisera to whole human serum. Essentially free of other plasma lipoproteins as determined by electrophoresis using a SPIFE Vis Cholesterol gel kit for lipids and Coomassie Blue for proteins. Greater than 95% of total lipoprotein content by electrophoresis.

Virginia B. Patel PhD

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Product Datasheet

Product:	Lipoproteins, Very Low Density, Human Plasma, Suitable for Cell Culture
Catalog Number:	12-16-221204-TC
Description:	Liquid
Buffer:	150 mM NaCl, pH 7.4, and 0.01% EDTA
Purity:	Single arc by IEP against antisera to whole human serum. Essentially free of other plasma lipoproteins as determined by electrophoresis using a SPIFE Vis Cholesterol gel kit for lipids and Coomassie Blue for proteins. Greater than 95% of total lipoprotein content by electrophoresis.
Sterility Testing:	Using Turbidity Growth/No Growth as the Indicator Thioglycollate Broth (THIO) for yeast and mold growth Tryptic Soy Broth (TSB) for bacterial growth
Molecular Weight:	MW 10-80,000,000
Density:	0.95-1.006 g/ml
Composition:	88-95% lipid, 5-12% Protein
Endotoxin Level:	<= 10 EU/mg by Pyrosate LAL clot test
Protein Determination:	Modified Lowry Based on BSA as standard
Storage:	2-6° C, away from light
Stability:	Open under a laminar flow hood <= 7 days once opened
Available Packaging:	1 mg per vial Larger aliquots upon request
Source:	Human Plasma
Testing:	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

**Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose.
For research or further manufacturing use only.**

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ISO9001:2008

Certificate Of Origin

Product Name:	Lipoproteins, Very Low Density, Human Plasma, Cell Culture
Catalog Number:	12-16-221204-TC
Lot Number:	Information applies to all lots produced.
Manufacturing Information:	The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System.
Manufacturing Site:	Athens Research & Technology Inc., Athens, Georgia, USA
Raw Material Information:	The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.
Country of Origin (manufacturing):	United States
Biological Source Material (COO):	United States
Donor Consent:	The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.

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