



Certificate of Testing

Lipopolysaccharide from *Escherichia coli* O113

Prod. No: 433A Lot Number: 4334A1

Date of Manufacture 12 Jan 2024 FOR RESEARCH PURPOSES ONLY.  
NOT FOR HUMAN USE.

Contents

Each vial, when reconstituted with 0.5 mL water, contains 1 µg of Lipopolysaccharide in 1.0% lactose, 0.1% PEG6000.

Storage/Shipping Requirements

Store at 5 ± 3 °C. Ship material on blue ice.

Handling

Good laboratory technique should be employed in the safe handling of this product. Wear appropriate laboratory attire including a lab coat, gloves and safety glasses.

The product is intended for research purposes by qualified personnel. It is not intended for use in humans or as a diagnostic agent. List Biological Laboratories, Inc. is not liable for any damages resulting from the misuse or handling of this product.

Attribute	Test Method ID/Version	Results
Appearance	Physical Appearance / ASSAY.118 v1.0	Before reconstitution: white cake After reconstitution: clear, colorless liquid Container appearance: 2mL glass vial, crimped
Moisture	USP <921> / Moisture by Karl Fischer (SGS)	2.95%
Potency	Endotoxin / TM.092.07 v2.0	8,658 EU/vial

Quality Control: [Signature] Date: 27 Mar 2026  
Production: [Signature] Date: 03/27/2026