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Certificate of Testing

Lipopolysaccharide from *Escherichia coli* O55:B5

Prod. No: 203B Lot Number: 20327A4

Date of Manufacture 12 December 2022 **FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN USE.**

Contents

Bulk material in polypropylene container.

Storage/Shipping Requirements

Store at 5 ± 3 °C. Ship material at ambient temperature.

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.063 v05	Before reconstitution: uniform white pellet. After reconstitution: clear, colorless, and particulate free.
Purity	SDS-PAGE / GELS.020 v07	Band migration pattern comparable to control
Potency	Endotoxin / ASSAY.092 v05	7.8 x 10 ⁶ EU/mg
Assay	Protein Assay / ASSAY.002 v05	1.0%
	Nucleic Acid Assay / ASSAY.003 v03	0.5%
	Phosphate Assay / ASSAY.004 v05	2.1%
	KDO Assay / ASSAY.005 v06	2.3%

Quality Control Manager:  Date: 12/13/2022

Production:  Date: 12/13/2022