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## Certificate of Testing

### Lipopolysaccharide from *Escherichia coli* O55:B5

Prod. No: 203A Lot Number: 20327A2

Date of Manufacture 23 September 2022 **FOR RESEARCH PURPOSES ONLY.  
NOT FOR HUMAN USE.**

#### Contents

Each container holds 2.5 mg of lyophilized lipopolysaccharide.

#### Storage/Shipping Requirements

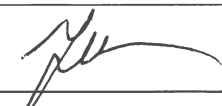
Store at  $5 \pm 3$  °C. This product is provided as an aseptically packaged lyophilized powder, sealed under vacuum. Ship material at ambient temperature.


#### 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	$4.7 \times 10^6$ EU/mg
Assay	Protein Assay / ASSAY.002 v05	0.5%
	Nucleic Acid Assay / ASSAY.003 v03	0.9%
	Phosphate Assay / ASSAY.004 v05	2.0%
	KDO Assay / ASSAY.005 v06	1.8%

Quality Control:  Date: 11/21/2022

Production:  Date: 11/21/2022