

Lipopolysaccharide (LPS) from E. coli O55:B5

Catalog Number MDLPS5-0

For research use only

Contents	Each vial holds 5mg of lyophilized Lipopolysaccharide (LPS) isolated from <i>Escherichia coli</i> O55:B5 by a modification of the phenol extraction method of Westphal and Jahn.
Reconstitution	<ol style="list-style-type: none"> 1) Reconstitute LPS with 1 mL of sterile PBS in a sterile hood. This gives a 5mg/mL Solution. 2) Vortex briefly and check all the LPS is in Solution. Re-vortex if required. 3) Transfer the reconstituted LPS to sterile 10 mL glass container, plastic is not recommended, containing 8 mL of sterile PBS. 4) Wash out the LPS vial with 1 mL of sterile PBS, adding this to the glass container to give 10 mL of 0.5 mg/mL LPS. 5) 200 μL of this solution gives 100 μg of LPS.
Endotoxin Content	The endotoxin activity, determined using a Kinetic Chromagenic LAL assay, is approximately 6 EU/ng.
Storage	Shipped on blue ice packs. (Product may thaw upon arrival without affecting performance). Store at -20°C and protect from direct light upon arrival.
Handling	<p>Good laboratory practice should be employed in the safe handling of any LPS or lipid A product. This requires observing the following practices:</p> <ul style="list-style-type: none"> *Wear appropriate laboratory attire including a lab coat, gloves, and safety glasses. *Do not mouth pipette, inhale, ingest or allow it to come in contact with open wounds. Wash thoroughly any area of the body that comes in contact with the product. *This product is pyrogenic. Avoid autoinoculation by exercising extreme care when handling in conjunction with any injection device. *This product is intended for research purposes by qualified personnel only. <p>MD Bioproducts is not liable for any damages resulting from the misuse or handling of this product.</p>
References	<ol style="list-style-type: none"> 1. Westphal, O. and Jahn, K. (1965) in R.L. Whisler (ed.) Methods in Carbohydrate Chemistry Vol. 5, p. 83, Academic Press, New York. 2. Cynkin, M.A. and Ashwell, G (1960) Nature 186:155-156. 3. Ames, B.N. and Dublin, D.T. (1960) J. Biol. Chem 235:769-775. 4. Bradford, M.M. 1976 Anal. Biochem 72:248-254. 5. Determined by absorption at 260 nm after correction for end absorption by LPS.

International

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