

CHARLES RIVER ENDOSAFE

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MATERIAL SAFETY DATA SHEET

PRODUCT: Control Standard Endotoxin, freeze dried powder

Endosafe Catalog Numbers: E130

Synonyms: CSE, LPS, Lipopolysaccharide

Source: Escherichia coli 055:B5

**TOXICITY DATA: I.V. Rabbit - PD50 = 1.0 ng/kg (Threshold for pyrogenic reaction)
Oral = Not Toxic**

PHYSICAL DATA: Water soluble; non-explosive; freeze dried, odorless powder

FOR IN VITRO LABORATORY PURPOSES ONLY. NOT FOR USE IN HUMANS

Contents: Each vial contains 0.5 micrograms or less of lyophilized lipopolysaccharide (LPS) isolated from Escherichia coli 055:B5 by modification of the phenol extraction method of Westphal and Jann, and further purified by chromatography. (REF: Westphal, O. and Jann, K., in R.L. Whistler, editor, Methods in Carbohydrate Chemistry, 1965, Vol, V, p.83). Vials have been stoppered under vacuum.

Reactivity Data: Stable, freeze dried. Contains no hazardous combustion or decomposition products.

CAUTION: USE PROPER HANDLING: Good laboratory technique should be employed in the proper handling of lipopolysaccharides and Lipid A. Product is pyrogenic; therefore, exercise care in handling.

Avoid mouth pipetting

Avoid contact with open wounds

Work in well-ventilated area; avoid inhalation of product generated dust (example: dust generated due to vial breakage)

Products are intended for laboratory/research purposes only.

PRODUCT NOT INTENDED FOR USE IN HUMANS

FIRST AID: If swallowed, drink plenty of water. If inhaled, remove to fresh air. In case of skin contact, immediately flush with plenty of water. In case of irritation, breathing difficulty or other symptoms, consult a physician.

DISPOSAL PROCEDURE: If product is spilled, thoroughly clean area with damp towel and dispose of towel in closed plastic bag/container.

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