



Product Information

LIPOPOLYSACCHARIDE (LPS)

Product Number **L 2654, L 4391, L 4516, L 4641, L 6529, L 7770, L 6143, and L 7895**

Product Description

LPS is a major constituent of the cell wall of most gram negative bacteria. It is a highly immunogenic antigen with the ability to enhance immune responses to soluble antigens.^{1,2} LPS also acts as a specific mitogen for bone marrow derived B lymphocytes from mice,³ rabbits,⁴ chickens,⁵ cows,⁶ hamsters,⁷ and humans.⁸

Preparation Instructions

Lipopolysaccharides are supplied as lyophilized, γ -irradiated powders. To reconstitute, add 1 ml sterile balanced salt solution or tissue culture medium to the vial (1 mg) and gently swirl until the powder dissolves. Reconstituted product may be further diluted to desired working concentrations using sterile balanced salt solution or tissue culture medium.

Storage/Stability

Prior to reconstitution vial should be stored at 2-8 °C. After reconstitution aliquots may be stored frozen at -20 °C. Repeated freezing and thawing are not recommended.

NOTE: Lipopolysaccharide compounds are highly pyrogenic. Avoid inhalation of any LPS and prevent these compounds from entering the bloodstream

References

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6. Hammarstrom, L., *Nature*, **263**: 60 (1976).
7. Streilein, J., and Hart, D., *Infect. Immun.* **14**, 463 (1976).
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