

Certificate of Testing

Tetanus Toxoid from Clostridium tetani, Lyophilized in Buffer

Prod. No:

191B

Lot Number:

19133A4

Date of Manufacture

14 February 2024

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN USE.

Contents

Each container holds 100 μ g of lyophilized tetanus toxoid. When reconstituted with 200 μ L of water the protein is in 100 mM Histidine, 100 mM NaCl, pH 7.0 and 5% Trehalose.

Storage/Shipping Requirements

Store at 5 ± 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 Biòlogical 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	
	SDS-PAGE / GELS.018 v18	Non-reduced: 72% purity Reduced: 77% purity	
Purity	OD Measurement / ASSAY.060 v07	A ₂₈₀ /A ₂₆₀ : 1.9 A ₃₂₀ : 0.01	
	Endotoxin / ASSAY.092 v06	12.62 EU/mg	
Identity	Immunodiffusion / ASSAY.019 v05	Lowest concentration of toxoid at which immunoprecipitation was observed: 31.3 µg/mL	
Activity	Mouse Lethality	No death or illness at 15 µg of toxoid per mouse (performed on the bulk lot #19133A)	

Quality Control:	The same of the sa	Date: 04 02	20211
Production:	Loodel Christian	Date: 04 02	12024

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