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Product #175
Lot #1752A1

CERTIFICATE OF ANALYSIS
ANTHRAX PROTECTIVE ANTIGEN 63, FITC CONJUGATE
Lot #1752A1

Contents

Each vial, when reconstituted with 0.2 ml of water, contains 50 µg of PA63 in 10 mM bis-Tris Propane, 100mM NaCl, pH 9.0 with 1.25% trehalose. **Handle the product gently. Do not vortex. This product is light sensitive.**

Concentration

Protein concentration was determined by a modification of Bradford¹ using an NIST traceable bovine serum albumin standard.

FITC Labeling

The molar ratio of FITC to PA63 is 3.5. There are 21 µg of FITC per mg of PA63, assuming a molar extinction coefficient of 70,000 M⁻¹cm⁻¹ for FITC at 495 nm.²

Purity

When examined on 4-12% polyacrylamide gels in the presence of SDS, this protein migrates as a single major band with an apparent molecular weight of 63,000 daltons. Densitometric analysis estimates the purity of the product as > 95%.

The endotoxin content, determined using a kinetic chromogenic LAL assay, is 90 EU/mg.

Packaging/Storage

This product is provided as a lyophilized powder that has been sealed under vacuum. Store at 2-8°C prior to and following reconstitution.

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. Nitrile gloves are recommended for use when handling lyophilized material.

This product is intended for research purposes only. 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.

FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE

References

1. Bradford, M.M. (1976) *Anal. Biochem*, **72**, 248-254.
2. Faulstich, H., Zobeley, S., Rinnerthaler, G., and Small, J.V. (1988) *J. Muscle Res. Cell Motility*, **9**, 370-383.

Quality Assurance:  Date: 10 AUG 2021