

BacTrace®
Staphylococcus aureus
Positive Control



Catalog No.
50-90-05

Size
1 vial

DESCRIPTION

Heat-killed *Staphylococcus aureus* cells in dextran solution. Lot specific cell counts can be obtained by requesting a Certificate of Analysis or by calling Technical Services with the specific lot number.

FORM/STORAGE

Lyophilized. Store at 2-8 °C until rehydrated. Stable for a minimum of 1 year when stored at 2-8 °C.

STABILIZER AND PRESERVATIVE

Dextran is added as a stabilizer. Non-sterile.

REHYDRATION AND STORAGE

Two methods for rehydration and storage are recommended to meet most needs. Procedure A, using 50% glycerol, eliminates freezing at -20 °C and is an effective biological inhibitor when the product is stored at 2 – 8 °C. At a working dilution, the level of glycerol is too small to affect most assays.

Procedure A: 50% Glycerol

Rehydration: Rehydrate with 1 mL of 50% glycerol.

Storage: This product may be stored refrigerated or frozen. Product is stable for a minimum of 1 year.

Procedure B: Reagent Quality Water

Rehydration: Rehydrate with 1 mL of reagent quality water.

Storage: This product may be stored refrigerated or frozen. Product is stable for a minimum of 1 year.

SUGGESTED WORKING CONCENTRATION

Use: Prior to use, dilute to desired concentration with PBS or 1% BSA Diluent/Blocking Solution. The working dilution should be used immediately.

Optimal working concentrations should be determined experimentally. Suggested starting concentrations are as follows:

Antibody Sandwich ELISA	1/100
Direct ELISA	1/100
Direct Fluorescent Assay on Slides	1/200

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case

of contact or spillage, clean with copious amounts of water. Dispose of via institutional guidelines.

APPLICATION

This product is ideally suited for use as a positive control in immunoassays designed for the detection of *Staphylococcus aureus*. It provides verification of the functionality of the assay system.

RELATED PRODUCTS

Goat anti- <i>Staphylococcus aureus</i>	Cat. No. 01-90-05
BSA Diluent/Blocking Solution	Cat. No. 50-61-00
Coating Solution Concentrate	Cat. No. 50-84-00
Fluorescent Mounting Medium	Cat. No. 71-00-06
20X Wash Solution	Cat. No. 50-63-00

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