

BacTrace®
Shigella Species
Positive Control



Catalog No.
50-90-01

Size
1 vial

DESCRIPTION

Heat-killed *Shigella boydii*, *Shigella flexneri*, and *Shigella dysenteriae* 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 L-997-02

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 *Shigella* species. It provides verification of the functionality of the assay system.

RELATED PRODUCTS

Rabbit anti- <i>Shigella</i> Species	Cat. No. 01-90-01
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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