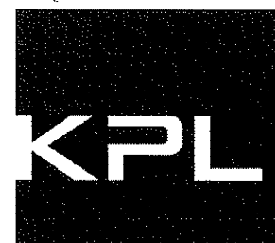


Shigella Species Positive Control

Catalog No.
50-90-01

Size
1 mL



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.

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

Storage: This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. When frozen, product is stable for a minimum of 1 year.

Procedure B: Reagent Quality Water

Rehydration: Rehydrate with 1 mL of reagent quality water.

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

Storage: This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. When frozen, product is stable for a minimum of 1 year.

SUGGESTED WORKING CONCENTRATION

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 *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
10X PBS	Cat. No. 51-13-01
10X PBST	Cat. No. 51-14-01
10X TBS	Cat. No. 51-17-01

See the KPL catalog for a wide selection of antibodies, substrates, protein and nucleic acid detection kits, and immunohistochemistry reagents.

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