

***E. coli* 0157:H7**

Positive Control



Catalog No. **Package**
50-95-90 **1 vial**

DESCRIPTION

Heat-killed Escherichia coli 0157:H7 cells, approximately 7.0 x 10⁹ cells/mL (1 mL of approximately 2% wet packed cell w/v) in dextran solution.

FORM/STORAGE

Lyophilized. Store refrigerated at 2 – 8°C stable for a minimum of 1 year when stored properly.

STABILIZERS AND PRESERVATIVES

Dextran added to stabilize during lyophilization. No preservatives. 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

Solution Preparation

50% Glycerol

Mix 1 mL of glycerol with 1 mL of reagent quality water in a test tube.

Rehydration: Transfer 1 mL of this 50% glycerol solution to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Dilute to desired concentration with PBS or other buffer.

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

Rehydration: Rehydrate with 1 mL of reagent quality water. Dilute to desired concentration with PBS or other buffer.

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.

USE

Suggested working dilutions

Mix thoroughly before use. Different assay conditions require that serial dilutions of all reagents be performed to determine optimal working dilutions. Suggested working dilutions are as follows:

Antibody Sandwich ELISA:	1:100
Direct fluorescent assay on slides:	1:200

Application

This product is ideally suited for use as a positive control in Immunoassays designed for Escherichia coli 0157:H7 detection, where it provides verification of the functionality of the assay system.

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