

# Campylobacter species

## Positive Control

**BacTrace®**

Catalog No.	Size
50-92-93	1 Vial



### DESCRIPTION

Heat-killed *Campylobacter jejuni* cells, at least  $4.8 \times 10^8$  cells/mL (1 mL of approximately 2% wet packed cells w/v) 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 one year from date of rehydration when stored as recommended.

### STABILIZER AND PRESERVATIVE

Dextran added to stabilize during lyophilization. No preservatives added. Non-sterile.

### REHYDRATION AND STORAGE

Two methods for rehydration and storage are recommended to meet most needs. Procedure A using 50% glycerol is preferred. It 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

Solution Preparation: 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.

Storage: This product may be stored for up to 1 week at 2 – 8°C; thereafter, it should be stored at –20°C. At –20°C, 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 for up to 1 week at 2 – 8°C; thereafter, it should be stored at –20°C. At –20°C, product is stable for a minimum of 1 year.

### USE

Dilute to desired concentration with PBS or other buffer immediately before use. Mix thoroughly before use.

### SUGGESTED WORKING CONCENTRATION

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

Antibody Sandwich ELISA	1/100
Direct Fluorescent Assay on Slides	1/200
Direct ELISA	1/1000

### APPLICATION

This product is ideally suited for use as a positive control in immunoassays designed for *Campylobacter* detection, where it provides verification of the functionality of the system.

### PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by The Hazard Communications Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Disposal via sanitary sewer.

### RELATED PRODUCTS

Affinity Purified Antibodies:

Unlabeled Goat Anti- <i>Campylobacter</i> species	Catalog No. 01-92-93
AP-Labeled Goat Anti- <i>Campylobacter</i> species	Catalog No. 05-92-93
HRP-Labeled Goat Anti- <i>Campylobacter</i> species	Catalog No. 04-92-93
FITC-Labeled Goat Anti- <i>Campylobacter</i> species	Catalog No. 02-92-93

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

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