

B. burgdorferi Cellular Antigen Positive Control

Catalog No. Package
50-97-91 1 vial



DESCRIPTION

Heat-killed *Borrelia burgdorferi* cells (1 mL of approximately 1.0% wet packed cell w/v) in dextran solution.

FORM/STORAGE

Store this lyophilized product refrigerated at 2 – 8°C. Stable for a minimum of 1 year.

STABILIZER AND PRESERVATIVE

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: 50% Glycerol

Solution Preparation: Mix 1 part glycerol with 1 part reagent quality water.

Rehydration: Transfer 1 mL of the 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 refrigerated or frozen as desired. Stable for a minimum of 1 year.

Procedure B: Reagent Quality Water

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

Storage: This product may be stored refrigerated or frozen as desired. Stable for a minimum of 1 year.

SUGGESTED WORKING CONCENTRATION

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:

| | |
|------------------------------------|------|
| Indirect Microwell ELISA | 1:50 |
| Antibody Sandwich ELISA: | |
| for cellular antigen | 1:5 |
| for sonicated cellular antigen | 1:25 |
| Direct fluorescent assay on slides | 1:50 |

APPLICATION

This product is ideally suited for use as a positive control in immunoassays designed for *Borrelia burgdorferi* detection, where it provides verification of the functionality of the assay system. If clumps are observed when performing microtiter plate assay it is recommended to sonicate vial contents to disperse clumps of cell before use.

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.

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