

## Certificate of Analysis

**Name:** Borrelia Burgdorferi Cells, Heat-Inactivated

**Product Code:** 5370-0023

**Batch #:**

**Date of Manufacture:**

**Product Description:** Heat-killed Borrelia burgdorferi cells in dextran solution (BacTrace). Antigen is intended for use as a positive control in immunoassays designed for Borrelia detection.

**Inactivation:** Heat-killed

**Health and Safety:** This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200).

**Amount:** 1.0 ml

**Presentation:** Lyophilised

**Buffer:** Dextran is added as a stabilizer. Non-sterile.

**Rehydration:** 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 +4°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.

**Applications:** Designed for use as a positive control in immunoassays designed for the detection of Borrelia. It provides verification of the functionality of the assay system.

**Application Notes:** 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

### **Usage Guidelines**

**Storage:** Store at +4°C until rehydrated. Stable for a minimum of 1 year when stored at +4°C

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**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**