

# BAX<sup>®</sup> detection system

## Enrichment media for Listeria



### Order information

17710672      2.5 kg (makes 41 liters)

### Intended use

BAX<sup>®</sup> system enrichment media for Listeria is a single, selective enrichment broth optimized for use with BAX<sup>®</sup> system assays to detect Listeria in food industry environmental samples.

### Description

This proprietary medium provides nutrients and stable pH conditions to improve the recovery of Listeria cells from sponges and swabs used to sample food contact surfaces and other environmental areas.

### Appearance

Dehydrated: Light-colored, free-flowing powder  
Prepared: Gold-colored solution

### Storage and stability

Store dehydrated media below 25°C in its original container, tightly sealed and away from moisture and bright light. Use by the expiration date stamped on the label of the container. Prepared media can be stored away from light for up to 2 weeks at 2-8°C.

### Preparation

Dissolve 60.4 grams of media in 1 liter of distilled water. Distribute into final containers, and sterilize by autoclaving at 121°C for 15 minutes. Do not boil. Final pH is 7.2 ± 0.2 at 25°C.

### BAX<sup>®</sup> System Enrichment Procedure

**Environmental samples (sponges\*):** Wet a sponge with 10 ml DE Neutralizing Broth or equivalent, and sample a 4x4 inch (10x10 cm) environmental area. Place the sponge into 190 ml of pre-warmed BAX<sup>®</sup> system enrichment broth for Listeria. Incubate 26-30 hours at 36±2°C. See the BAX<sup>®</sup> system User Guide for additional directions on sample preparation.

\*An environmental sampling sponge is a porous moisture absorbing matrix, approximately 2" (5 cm) x 3" (7.5 cm) often contained in a pre-sterilized sample bag.

**Environmental samples (swabs\*\*):** Wet a swab with 300-500 µL DE Neutralizing Broth or equivalent, and sample a 1x1 inch (2.5x2.5 cm) environmental area. Place the swab into 10 ml of pre-warmed BAX<sup>®</sup> system enrichment broth for Listeria. Incubate 22-26 hours at 36±2°C. See the BAX<sup>®</sup> system User Guide for additional directions on sample preparation.

\*\*An environmental swab is a sampling device comprised of synthetic (e.g. dacron) or cotton tips affixed to a wood or polymeric stick, delivered in a pre-sterilized package.

### Performance

An independent study used the BAX<sup>®</sup> system assay for detecting Listeria on 300 sponge samples from real-world environmental surfaces. Results showed that the single-stage BAX<sup>®</sup> system media for Listeria performs as well at 28 hours as the two-stage Demi-Fraser/MOPS-BLEB enrichment at 48 hours.

**DuPont Qualicon**

USA 1.800.863.6842 | UK +44 (0) 1438 734500 | Singapore +65 6586 3635 | qualicon.com



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