

BAX[®] system

Enrichment Media for *E. coli* O157:H7 MP

Order information

Bulk media

17710678	2.5 kg	(makes 111 liters)
17710679	10 kg	(makes 444 liters)

DuPont[™] StatMedia[™] soluble packets

12614053	10 x 225g packets (10L each)
12614061*	30 x 75.9 g packets (3.375L each)
12614087*	100 x 22.5g packets (1L each)
12614074*	500 x 5.06g packets (225 mL each)

*Gamma irradiated

Intended use

BAX[®] system media for *E. coli* O157:H7 MP is a selective enrichment broth for use with either the standard or multiplex BAX[®] system PCR assays for detecting *E. coli* O157:H7.

Description

This proprietary medium provides nutrients and stable pH conditions to improve the recovery of *E. coli* O157:H7 cells from beef samples.

Appearance

Bulk media

Dehydrated: Light-colored, free-flowing powder
Rehydrated: Caramel-colored solution

DuPont[™] StatMedia[™] soluble packets

Dehydrated: Light colored powder in clear film
Rehydrated: Caramel-colored solution, slightly cloudy.

Storage and stability

Bulk media

Dehydrated: Store in original container, with the lid tightly closed and away from bright light, below 25°C. When stored as directed, bulk media will remain stable until the expiration date stamped on the label of the container.

DuPont[™] StatMedia[™] soluble packets

Store soluble packets in tightly resealed pouches away from moisture at 10-25°C. Use within one year of the manufacturing date stamped on the pouch label.

Preparation

Bulk media

Dissolve 22.5 grams of media in 1 liter of distilled water. Final pH 7.2±0.2 at 25°C. Autoclave at 121°C for 15 minutes. Do not boil. Broth can be stored for up to 2 weeks at 2-8°C.

DuPont[™] StatMedia[™] soluble packets

Determine the appropriate volume of distilled or deionized water, and sterilize either by autoclaving or filtering (pore size 0.2 µm) into a sterile container. Warm water to 36°C, then aseptically remove packet from pouch and add to the sterilized water. Mix gently until dissolved. Final pH 7.2 ±0.2 at 25°C.

If 225g (non-irradiated) packet is used, heat broth to 121°C and autoclave for 15 minutes. For other (irradiated) packets, no need to autoclave if used within 4 hours. Beyond 4 hours, broth should be autoclaved before use. Do not boil. Autoclaved broth can be stored for up to 2 weeks at 2-8°C

BAX[®] System Enrichment Procedure

Pre-warm the broth to 42°C, then add sample in a 1:10 dilution:

- 25 g sample in 225 ml broth
- 65 g sample in 585 ml broth
- 375 g sample in 3375 ml broth
- 1L volume can be dispensed to accommodate other sample sizes

Incubate promptly at 42±1°C for 8-24 hours.

You do not have to wait the full 24 hours, but can begin processing raw beef samples with the BAX[®] system after 8 hours enrichment in this broth.

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

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