

BAX[®] detection system

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

Order information

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

Intended use

BAX[®] system media for *E. coli* O157:H7 MP is a selective enrichment broth for the growth of *E. coli* O157:H7 in raw beef samples. This media has been optimized for use with a specific multiplex assay: BAX[®] System PCR Assay for Screening *E. coli* O157:H7 MP (PN 17720673).

Method of Use

Dissolve 22.5 grams of media in 1 liter of distilled water. Do not boil. Autoclave at 121°C for 15 minutes. Final pH 7.2±0.2 at 25°C.

Warm the broth, then add sample (1:10 dilution).

- 25 g sample in 225 ml broth
- 65 g sample in 585 ml broth
- 375 g sample in 3375 ml broth

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

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

Appearance

Dry media is a light colored, free-flowing powder. Prepared solution is caramel colored.



Storage and stability

Dry media should be stored in its original container, with the lid tightly closed and away from bright light, below 25°C. When stored as directed, the dry media will remain stable until the expiration date stamped on the label of the container.

Prepared media is stable when stored away from light for up to 5 days at 42°C or up to 4 weeks at 2-8°C.

Performance

Compared to the original BAX[®] system *E. coli* O157:H7 media and assay, the MP media and assay is more sensitive at 8 hours and comparable at 20 hours.

Low-level spikes	MP study		Original study	
	USDA-FSIS	BAX - MP	USDA-FSIS	BAX
8 hours	--	20/20	--	12/20
20 hours	10/20	20/20	12/20	19/20

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

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