



Actero™ mTSB Enrichment Media

Pouches Product Information

Intended Use:

Actero™ mTSB is a media, specifically designed for the enrichment of *Escherichia coli* O157 from food.

Contents:

Dehydrated Actero™ mTSB Enrichment Media (Cat# FCM-003) is provided in **pouch**. Each pouch contains the correct amount of media powder to sufficiently prepare 750mL of liquid media. This is enough for enriching one sample of 375g using the protocol detailed in the package insert of FoodChek™ E. coli O157 detection kit.

Procedure:

General Preparation

Instruction to prepare 750mL of Actero™ mTSB (Cat. # FCM-003)

Non- Autoclave Method

1. Prepare a sterile and clean 1L bottle for each 750mL of media preparation.
2. Shake container of dry enrichment media before each use.
3. Pour the entire content of the pouch into the bottle and add 750mL of **sterile** pre-warmed distilled water.
4. Constantly stir until powder dissolved (approximately 15 min).
5. This preparation method is for **immediate use** of the media.

Autoclave Method

1. Prepare a clean 1L bottle for each 750mL of media preparation.
2. Shake container of dry enrichment media before each use.
3. Pour the entire content of the pouch into the bottle and add 750mL of **sterile** pre-warmed distilled water.
4. Constantly stir until powder dissolved (approximately 15 min).
5. Sterilize the bottle of prepared media by autoclaving at 121°C for 15 min.
6. Cool bottle to room temperature and store at 2–8°C for up to 45 days.
7. When ready to use, bring the bottle of prepared media to the appropriate temperature by incubating in a water bath or incubator.



Product Storage and Shelf Life:

The dehydrated media should be kept at 10–30°C, in tightly closed bottle in a dry well ventilated place and use before the expiry date indicated on the bottle.

If the media has been autoclaved it can be stored at 2–8°C for up to 45 days, in a tightly closed bottle.

Quality control:

<u>Test</u>	<u>Expected results</u>
Appearance (dehydrated medium)	Fine, light beige, homogeneous powder
Appearance (solution)	Clear, Light to Medium amber
pH	7.2 ±0.1
Growth assays	
<i>Escherichia coli</i> ATCC 43895	Growth
<i>Salmonella</i> Typhimurium ATCC 14028	Growth
<i>Staphylococcus aureus</i> ATCC 25923	Partial to Complete Inhibition

Precautions:

The use of microbiological media such as the Actero[™] mTSB requires trained laboratory personnel familiar with good microbiological laboratory practices. Wearing a laboratory coat, disposable gloves, and eye protection while handling specimens is strongly recommended.

Extreme care should be taken in handling test samples and enrichment broths. All enrichment broths may contain various pathogens whether they contain *Escherichia coli* O157 or not.

Terms and Conditions:

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Catalogue Number:

FCM-003: Actero™ mTSB Enrichment Media (pouch)

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Food safety, **simplified.**