FoodChek™
Food safety, simplified.

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Actero™ Universal Pre-enrichment Broth Product Information

Catalogue No.	Description
FCM- 145	Actero™ Universal Pre-enrichment Broth (500 G)
FCM- 144	Actero™ Universal Pre-enrichment Broth (2 KG)
FCM- 143	Actero™ Universal Pre-enrichment Broth (10 KG)

INTENDED USE

Universal Pre-enrichment Broth is non-selective medium used for the recovery of *Salmonella* and *Listeria* from food products. With traditional methods requiring different pre-enrichments for each microorganism, Universal Pre-enrichment broth was formulated by Bailey and Cox for the recovery of sub-lethally injured strains of both Listeria and Salmonella from a single food product specimen. The medium is well buffered, containing sodium and potassium phosphates, which allow the recovery of pH sensitive bacteria.

Formula* per Liter:

Tryptone 5.0g
Proteose Peptone 5.0g
Monopotassium Phosphate.....15.0g
Magnesium Sulfate.....0.25g
Sodium Pyruvate 0.2g
Dextrose 0.5g
Sodium Chloride 5.0g
Disodium Phosphate.....7.0g
Ferrous Ammonium Citrate 0.1g

Final pH: 6.3 ± 0.2 at 25°C

** Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 38 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and light beige.
2. Visually the prepared medium is yellow to amber and clear with little or no precipitate.
3. Expected cultural response after 18-24 hours at 37°C.

Organism	Result
Listeria monocytogenes ATCC® 19115	Growth
Listeria monocytogenes ATCC® 7644	Growth
Salmonella choleraesuis ATCC® 13076	Growth
Salmonella typhimurium ATCC® 14028	Growth

Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original light beige.