



Actero™ M Broth Product Information

Catalogue No.	Description
FCM-087	Actero™ M Broth (500 G)
FCM-086	Actero™ M Broth (2 KG)
FCM-085	Actero™ M Broth (10 KG)

INTENDED USE

M Broth is used in cultivating *Salmonella* spp. in foods and feeds by the accelerated enrichment serology (ES) procedure. M Broth was developed by Sperber and Diebel and conforms to recommended procedures in food testing and enzyme immunoassays.

Formula* per Liter:

Casein Digest Peptone.....12.5g
Sodium Chloride5.0g
Yeast Extract5.0g
Dipotassium Phosphate5.0g
Sodium Citrate.....5.0g
Tween 80.....0.75g
Ferrous Sulfate 0.04g
Manganese Chloride.....0.14g
Magnesium Sulfate.....0.8g
D-Mannose.....2.0g
Final pH: 7.0 ± 0.2 at 25°C

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

PREPARATION

Mix 36.2 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 with soft lumps and light beige.
2. Visually the prepared medium is yellow to amber and clear to trace hazy with little or no precipitate.
3. Expected cultural response after 18-24 hours at 35°C.

Organism	Result
<i>Salmonella typhimurium</i> ATCC® 14028	Growth
<i>Salmonella choleraesuis</i> ATCC® 13076	Growth
<i>Salmonella arizonae</i> ATCC® 13314	Growth
<i>Salmonella typhi</i> ATCC® 19430	Growth

Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 8°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 color.

