FoodChek™
Food safety, simplified.

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Actero™ Lactose Broth Product Information

Catalogue No.	Description
FCM-051	Actero™ Lactose Broth (500 G)
FCM-050	Actero™ Lactose Broth (2 KG)
FCM-049	Actero™ Lactose Broth (10 KG)

INTENDED USE

Lactose Broth is used for the detection and/or verification of the presence of *Salmonella* and other coliform organisms in water, foods, dairy, and pharmaceutical products. This media is frequently used as a pre-enrichment in the analysis of food, milk products and water for *Salmonella*. Lactose Broth also provides good growth characteristics for coliforms, and fermentation is observed by gas bubbles present in an inverted fermentation tube. The concentration of media prepared for the test should be adjusted to accommodate a volume of sample greater than 10mL.

FORMULA*PER LITER

Pancreatic Digest of Gelatin……..5.0g
Lactose……..……..5.0g
Beef Extract……3.0g
Final pH: 6.9 ± 0.2 at 25°C

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

PREPARATION

Mix 13 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 clear and pale to light yellow with little or no precipitate.
3. Expected cultural response after 24-48 hours at 35°C.

Organism:	Result	Gas Production
Escherichia coli ATCC 25922	Growth	+
Enterobacter aerogenes ATCC 13048	Growth	+
Proteus mirabilis ATCC 12453	Growth	-
Pseudomonas aeruginosa ATCC 27853	Growth	-
Salmonella typhimurium ATCC 14028	Growth	-
Enterococcus faecalis ATCC 19433	Growth	-

STORAGE INSTRUCTIONS

On receipt, 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.