

PRODUCT INFORMATION

m-FC Broth

Cat. No. M13-103

DESCRIPTION

m-FC Broth is used for the detection and enumeration of fecal coliforms by the membrane filtration technique at elevated temperatures.

FORMULA (g/L)

Enzymatic Digest of Casein	9.0 g	Yeast Extract	6.5 g
Peptic Digest of Animal Tissue	2.5 g	Sodium Chloride	5.0 g
Lactose	12.5 g	Bile Salts No. 3	1.5 g
Aniline Blue	0.1 g		

Final pH: 7.4 ± 0.2 at 25 °C

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

PREPARATION

Mix 3.7 grams of the medium in 100 ml of purified water containing 1ml of 1% rosolic acid in 0.2 N NaOH. Heat with repeated stirring to dissolve completely. DO NOT AUTOCLAVE. Cool to room temperature before use.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light grayish beige.
2. Visually the prepared medium is clear to trace hazy and light bluish gray.
3. Expected cultural response after 18-24 hours at 35°C ± 2°C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth – Blue colonies
<i>Enterococcus faecalis</i> ATCC 29212	Growth Inhibited



STORAGE

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 color.

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