

PRODUCT INFORMATION

m-FC Agar

Cat. No. M13-102

DESCRIPTION

m-FC Agar is used with rosolic acid for the cultivation and enumeration of fecal coliforms by the membrane filter technique at elevated temperatures.

FORMULA (g/L)

Enzymatic Digest of Casein	10.0 g	Meat Peptone	5.0 g
Yeast Extract	3.0 g	Lactose	12.5 g
Bile Salts No. 3	1.5 g	Sodium Chloride	5.0 g
Aniline Blue	0.1 g	Agar	15.0 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 52 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Add 10ml of 1% Rosolic Acid in NaOH. Continue heating to mix if necessary. DO NOT AUTOCLAVE. Adjust pH to 7.4 with 1 N HCl, if needed.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light grayish beige.
2. Visually the prepared medium is clear to trace hazy, cranberry red with rosolic acid or light bluish gray without rosolic acid.
3. Expected cultural response after incubation at 44.5°C and examined growth after 22-24 hours.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Blue colonies
<i>Enterococcus faecalis</i> ATCC 29212	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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