

PRODUCT INFORMATION

m-FC Agar

Cat. No. M13-102



ALPHA[™]
BIOSCIENCES

Date of Issue:
10/01/17

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.

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.

Formula* per Liter:

Enzymatic Digest of Casein	10.0g
Meat Peptone.....	5.0g
Yeast Extract.....	3.0g
Lactose	12.5g
Bile Salts No. 3	1.5g
Sodium Chloride	5.0g
Aniline Blue.....	0.1g
Agar.....	15.0g

Final pH: 7.4 ± 0.2 at 25°C

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

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 w/ rosolic acid or light bluish gray w/o rosolic acid.
3. Expected cultural response after incubation at 44.5°C and examined growth after 22-24 hours.

Organism:

Escherichia coli ATTC 25922

Enterococcus faecalis ATTC 29212

Result:

Blue colonies

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.