

m - FAECAL COLIFORM AGAR (m-FC AGAR)

**Powdered and ready to use selective medium
for isolation and enumeration of faecal coliform organisms**

Typical formulas

m- Faecal Coliform Agar (g/l)

Tryptose	10.0
Peptocomplex	5.0
Yeast Extract	3.0
Sodium Chloride	5.0
Lactose	12.5
Bile Salts N. 3	1.5
Aniline Blue	0.1
Agar	13.0

Rosolic acid (vial contents)

Rosolic Acid	1 g
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m- Faecal Coliform Agar (ready to use plates)

m- Faecal Coliform Agar	1000 ml
Rosolic acid 1%	10 ml

Directions for powdered medium

Suspend 50 g in 1000 ml of cold distilled water. Mix well and heat to boiling. Add 10 ml of Rosolic Acid (ref. n° 4211901) 1% solution in NaOH 0.2 N and continue to boil for 1 minute. **Do not sterilize in the autoclave.** Cool to 50°C and pour into sterile dishes for MF technique (55mm diameter). Final pH 7.4 ± 0.2

Description

m-Faecal Coliform Agar is a selective medium for the isolation and enumeration of faecal coliform organisms with incubation at 44°C according to MF method. The faecal coliform organisms grow with blue colonies; other organisms, whose growth is allowed by the bile salts and incubation temperature, grow with grey colonies.

Technique

Filter the sample on a membrane and settle the last over the medium surface. Tightly close the plate. Incubate at 44°C for 24 hours. Examine for the presence of blue colonies (faecal coliform organisms)

User quality assurance (44°C-24hr MF)

Productivity control

E.coli ATCC 25922: growth, blue colonies

Selectivity control

E.faecalis ATCC 19433: inhibited

Storage

Dehydrated media: 10-30°C

User prepared plates: 1 month at 2-8°C

Packaging

Dehydrated medim

4014871 m-Faecal Coliform Agar, 100 g (2 l) 500 g (10 l)

4014872 m-Faecal Coliform Agar, 100 g (2 l) 500 g (10 l)

Supplement

4211901 Rosolic Acid 10 vials (each vial contains 1 g of Rosolic Acid)

Ready to use plates

491487 m-Faecal Coliform Agar, 30 plates (55mm diameter)