



## Membrane filter method

### ■ m-Endo Agar (7724)

#### Formula / Liter

Lactose .....	9.4 g
Tryptose .....	5 g
Enzymatic Digest of Casein .....	3.7 g
Enzymatic Digest of Animal Tissue ...	3.7 g
Sodium Sulfite .....	1.6 g
Yeast Extract .....	1.2 g
Potassium Phosphate, monobasic ..	1 g
Basic Fuchsin .....	0.8 g
Sodium Deoxycholate .....	0.1 g
Sodium Lauryl Sulfate .....	0.05 g
Agar .....	15 g
Final pH: 7.2 ± 0.2 at 25°C	

#### Directions

1. Suspend 51 g of the medium in 1 liter of purified water containing 20 mL of non-denatured Ethanol.
2. Heat with frequent agitation and boil to completely dissolve the medium.
3. Avoid overheating. DO NOT AUTOCLAVE.

### ■ m-Enterococcus Agar (7544)

#### Formula / Liter

Enzymatic Digest of Casein .....	10 g
Enzymatic Digest of Soybean Meal ..	7.5 g
Yeast Extract .....	5 g
Dextrose.....	2 g
Dipotassium Phosphate .....	0.2 g
Sodium Azide .....	0.4 g
2, 3, 5-Triphenyl Tetrazolium Chloride ..	0.1 g
Final pH: 7.2 ± 0.2 at 25°C	

#### Directions

1. Suspend 42 g of the medium in one liter of purified water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. DO NOT AUTOCLAVE. Cool to 45 - 50°C and dispense.

### ■ m-FC Agar (7397)

#### Formula / Liter

Enzymatic Digest of Casein .....	10 g
Enzymatic Digest of Animal Tissue ..	10 g
Yeast Extract .....	3 g
Sodium Chloride .....	5 g
Lactose .....	12.5 g
Bile Salts .....	1.5 g
Aniline Blue .....	0.1 g
Agar .....	15 g
Final pH: 7.4 ± 0.2 at 25°C	

#### Directions

1. Suspend 52 g of the medium in 1 L of purified water containing 10 mL of 1% Rosolic Acid in 0.2N NaOH.
2. If necessary, adjust pH to 7.4 with 1N HCl.
3. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
4. Cool to 45 - 50°C and pour plates.
5. DO NOT AUTOCLAVE.

### ■ m-HPC Agar (7690)

#### Formula / Liter

Peptone .....	20 g
Gelatin .....	25 g
Agar .....	15 g
Final pH: 7.1 ± 0.2 at 25°C	

#### Directions

1. Suspend 60 g of the medium in one liter of purified water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Add 10 mL of Glycerol to 1 Liter of solution.
4. Autoclave at 121°C for 5 minutes.

### ■ m-TEC Agar (7421)

#### Formula / Liter

Enzymatic Digest of Animal Tissue ..	5 g
Yeast Extract .....	3 g
Lactose .....	10 g
Sodium Chloride .....	7.5 g
Potassium Phosphate .....	4.3 g
Sodium Lauryl Sulfate .....	0.2 g
Sodium Deoxycholate .....	0.1 g
Bromcresol Purple .....	0.08 g
Bromphenol Red .....	0.08 g
Agar .....	15 g
Final pH: 7.3 ± 0.2 at 25°C	

#### Directions

1. Suspend 45.3 g of the medium in one liter of purified water.
2. Heat with frequent agitation and boil to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.
4. Dispense 4 - 5 mL amounts into 10 x 50 mm Petri dishes, allow to solidify.

### ■ m-TGE Broth(7451)

#### Formula / Liter

Enzymatic Digest of Casein .....	10 g
Beef Extract .....	6 g
Dextrose .....	2 g
Final pH: 7.0 ± 0.2 at 25°C	

#### Directions

1. Dissolve 18 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

### ■ m-Green Yeast & Fungi Broth (7190)

#### Formula / Liter

Enzymatic Digest of Casein .....	5 g
Enzymatic Digest of Animal Tissue ..	5 g
Yeast Extract .....	9 g
Dextrose .....	50 g
Magnesium Sulfate .....	2.1 g
Potassium Phosphate .....	2 g
Diastase .....	0.05 g
Thiamine .....	0.05 g
Bromcresol Green .....	0.026 g
Final pH: 4.6 ± 0.2 at 25°C	

#### Directions

1. Dissolve 73 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 10 minutes.