



## ISO-GRID & NEO-GRID

### ■ BMA Agar (6903)

#### Formula / Liter

Sodium Phosphate, Dibasic ..... 8.23 g  
Sodium Phosphate, Monobasic .. 1.2 g  
Sodium Chloride ..... 5 g  
4-Methylumbelliferyl-β-D-Glucuronide .. 0.1 g  
Agar ..... 15 g  
Final pH: 7.4 ± 0.2 at 25°C

#### Directions

1. Suspend 29.5 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. Autoclave at 121°C for 15 minutes.

### ■ TSAF Agar

#### 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.

### ■ YM-11 Agar

#### Formula / Liter

Enzymatic Digest of Soybean Meal .. 20 g  
Enzymatic Digest of Casein ..... 20 g  
Dextrose ..... 5 g  
Sodium Chloride ..... 5 g  
Potassium Phosphate, Dibasic ..... 2.4 g  
Trypan Blue ..... 0.03 g  
Chloramphenicol ..... 0.1 g  
Agar ..... 15 g  
Final pH: 7.0 ± 0.2 at 25°C

#### Supplement

Presterilized Antibiotic Supplement,  
Chlortetracycline-HCl, 20 mL

#### Directions

1. Suspend 67.5 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. Autoclave at 121°C for 15 minutes.
4. Cool to 45 - 50°C. Aseptically add 20 mL of a 0.5 A% (wt/v) aqueous solution of Chlortetracycline HCl. Mix thoroughly.
5. Check pH and adjust, if necessary to obtain a final pH of 7.0 ± 0.2 in the solidified medium.
6. Dispense 18 - 20 mL volumes to sterile Petri dishes, cool until plates are solidified.

### ■ EF-18 Agar (6901)

#### Formula / Liter

Enzymatic Digest of Animal Tissue .. 10 g  
Yeast Extract ..... 3 g  
L-Lysine ..... 10 g  
Dextrose ..... 2.5 g  
Sucrose ..... 15 g  
Magnesium Sulfate ..... 1.5 g  
Bile Salts ..... 1.5 g  
Sulfapyridine ..... 0.3 g  
Bromthymol Blue ..... 0.03 g  
Novobiocin ..... 0.015 g  
Agar ..... 15 g  
Final pH: 6.8 ± 0.1 at 25°C

#### Directions

1. Suspend 54 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.

### ■ SCCRAM Broth

#### Formula / Liter

Special Peptone ..... 10 g  
Sodium Pyruvate ..... 5 g  
Sodium Chloride ..... 5 g  
MOPS, free acid ..... 10.5 g  
MOPS, sodium salt ..... 11.6 g  
Final pH: 7.1 ± 0.2 at 25°C

#### Directions

1. Suspend 42.1 g of the medium in one liter of purified water.
2. If desire, add 10 g of Tween 80.
3. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
4. Autoclave at 121°C for 15 minutes.

### ■ LMG Agar (6902)

#### Formula / Liter

Enzymatic Digest of Casein ..... 10 g  
Enzymatic Digest of Animal Tissue .. 5 g  
Yeast Extract ..... 3 g  
Lactose ..... 12.5 g  
Monensin ..... 0.038 g  
Sodium Deoxycholate ..... 0.15 g  
Aniline Blue ..... 0.1 g  
Glucuronic Acid, Sodium Salt ..... 0.5 g  
Agar ..... 15 g  
Final pH: 7.2 ± 0.2 at 25°C

#### Directions

1. Suspend 46.2 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.
4. Cool to 45 - 50 °C.
5. Determine pH and adjust if necessary to 7.2 ± 0.2.

### ■ LM-137 Agar

#### Formula / Liter

Enzymatic Digest of Casein ..... 10 g  
Yeast Extract ..... 1 g  
Sodium Pyruvate ..... 10 g  
Lithium Chloride ..... 5 g  
Magnesium Sulfate ..... 7.4 g  
Dextrose ..... 1 g  
Sodium Carbonate ..... 1 g  
Acriflavin ..... 0.015 g  
Liver Peptone ..... 10 g  
Agar ..... 15 g

### LM 137-Agar Supplement

#### Ingredients / 20 mL Bottle

Triphenyltetrazolium Chloride ... 0.04 g  
Polymyxin B Sulfate ..... 0.02 g  
Nalidixic Acid ..... 0.08 g  
Moxalactam, Disodium ..... 0.01 g

### Egg Yolk Emulsion, 100 mL

#### Directions

1. Suspend 60.4 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. Autoclave at 121°C for 15 minutes.
4. Cool to 45 - 50°C.
5. Aseptically add 50 mL of 50% Egg Yolk Emulsion (not containing tellurite) and 10 mL of rehydrated LM-37 Supplement.
6. Mix thoroughly.
7. Determine pH and aseptically adjust, if necessary, to pH 7.4 - 7.5.
8. Pour into sterile Petri dishes.

### ■ SD-39 Agar

#### Formula / Liter

Enzymatic Digest of Animal Tissue .. 5 g  
Yeast Extract ..... 3 g  
Sodium Chloride ..... 5 g  
L-Lysine ..... 10 g  
Dextrose ..... 2.5 g  
Sorbitol ..... 20 g  
Magnesium Sulfate ..... 1.5 g  
Monensin ..... 0.038 g  
Sodium Deoxycholate ..... 0.15 g  
Sodium Glucuronate ..... 0.5 g  
Novobiocin ..... 0.0075 g  
Phenol Red ..... 0.12 g  
X-Gluc ..... 0.05 g  
Agar ..... 15 g  
Final pH: 7.2 ± 0.2 at 25°C

#### Directions

1. Suspend 63 g of the medium in one liter of purified water.
2. Heat with frequent agitation to boiling to completely dissolve the medium.
3. DO NOT AUTOCLAVE.