Acumedia




COSMETIC

BAIRD PARKER AGAR (7112)

Formula / Liter

Enzymatic Digest of Casein	10 g
Beef Extract	5 g
Yeast Extract	1 g
Lithium Chloride	5 g
Glycine	12 g
Sodium Pyruvate	10 g
Agar	*17 g

*15 - 20 g according to gel strength
Final pH: 7.0 ± 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. Autoclave at 121°C for 15 minutes.
4. After cooling to 45 - 50°C, add 50 mL of Egg Yolk Tellurite Supplement (# 7983). Alternatively, add 50 mL of Egg Yolk Emulsion (# 7982) and 10 mL of Tellurite Supplement (1%), (# 7989).
5. Mix thoroughly before dispensing.

BILE ESCULIN AGAR (7249)

Formula / Liter

Beef Extract	11 g
Enzymatic Digest of Gelatin	34.5 g
Esculin	1 g
Oxbile	2 g
Ferric Ammonium Citrate	0.5 g
Agar	15 g

Final pH: 6.6 ± 0.2 at 25°C

Directions
1. Suspend 64 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.

BRAIN-HEART INFUSION AGAR (7115)

Formula / Liter

Brain Heart Infusion (Solids)	8 g
Enzymatic Digest of Animal Tissue	5 g
Enzymatic Digest of Casein	16 g
Dextrose	2 g
Sodium Chloride	5 g
Disodium Phosphate	2.5 g
Agar	13.5 g

Final pH 7.4 ± 0.2 at 25°C

Directions
1. Suspend 52 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.

BRAIN-HEART INFUSION BROTH (7116)

Formula / Liter

Brain Heart Infusion	17.5 g
Enzymatic Digest of Gelatin	10 g
Dextrose	2 g
Sodium Chloride	5 g
Disodium Phosphate	2.5 g

Final pH: 7.4 ± 0.2 at 25°C

Directions
1. Dissolve 37 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

CETRIMIDE AGAR (7222)

Formula / Liter

Enzymatic Digest of Gelatin	20 g
Magnesium Chloride	1.4 g
Potassium Chloride	10 g
Cetrimide	0.3 g
Agar	13.6 g

Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Suspend 45.3 g of the medium and 10 mL of glycerol 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.

CETRIMIDE AGAR (AGAR MEDIUM N) (7688)

Formula / Liter

Enzymatic Digest of Gelatin	20 g
Magnesium Chloride	1.4 g
Potassium Sulfate	10 g
Cetrimide	0.3 g
Agar	13.6 g

Final pH 7.2 ± 0.2 at 25°C

Directions
1. Suspend 45.3 g of the medium and 10 mL of glycerol 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.

COOKED MEAT MEDIUM (7110)

Formula / Liter

Beef Heart	454 g
Enzymatic Digest of Animal Tissue	20 g
Dextrose	2 g
Sodium Chloride	5 g

Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Place 1.25 g of meat granules into a test tube and add 10 mL of purified water.
2. Autoclave at 121°C for 15 minutes.

D/E NEUTRALIZING AGAR (7375)

Formula / Liter

Enzymatic Digest of Casein	5 g
Yeast Extract	2.5 g
Dextrose	10 g
Sodium Thioglycollate	1 g
Sodium Thiosulfate	6 g
Sodium Bisulfite	2.5 g
Polysorbate 80	5 g
Lecithin (Soybean)	7 g
Bromcresol Purple	0.02 g
Agar	15 g

Final pH: 7.6 ± 0.2 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. Autoclave at 121°C for 15 minutes.

D/E NEUTRALIZING BROTH (7562)

Formula / Liter

Enzymatic Digest of Casein	5 g
Yeast Extract	2.5 g
Dextrose	10 g
Sodium Thioglycollate	1 g
Sodium Thiosulfate	6 g
Sodium Bisulfite	2.5 g
Lecithin	7 g
Bromcresol Purple	0.02 g

Final pH: 7.6 ± 0.2 at 25°C

Directions
1. Dissolve 34 g of the medium and 5 g of Polysorbate 80 in one liter of purified water.
2. Mix Thoroughly.
3. Autoclave at 121°C for 15 minutes

D/E NEUTRALIZING BROTH w/TWEEN (7705)

Formula / Liter

Dextrose ..... 10 g
Lecithin ..... 7 g
Sodium Thiosulfate ..... 6 g
Polysorbate 80 ..... 5 g
Enzymatic Digest of Casein ..... 5 g
Yeast Extract ..... 2.5 g
Sodium Bisulfite ..... 2.5 g
Sodium Thioglycollate ..... 1 g
Bromcresol Purple ..... 0.02 g
Final pH: 7.6 ± 0.2 at 25°C

Directions
1. Dissolve 39 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

EOSIN METHYLENE BLUE AGAR (Holt, Harris & Teague)(7134)

Formula / Liter

Enzymatic Digest of Gelatin ..... 10 g
Lactose ..... 5 g
Sucrose ..... 5 g
Dipotassium Phosphate ..... 2 g
Eosin Y ..... 0.4 g
Methylene Blue ..... 0.065 g
Agar ..... 13.5 g
Final pH: 7.2 ±0.2 at 25°C

Directions
1. Suspend 36 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.

EOSIN METHYLENE BLUE AGAR, LEVINE (7103)

Formula / Liter

Enzymatic Digest of Gelatin ..... 10 g
Lactose ..... 10 g
Dipotassium Phosphate ..... 2 g
Eosin Y ..... 0.4 g
Methylene Blue ..... 0.065 g
Agar ..... 15 g
Final pH: 7.1 ± 0.2 at 25°C

Directions
1. Suspend 37.5 g of the medium in one liter of purified water.
3. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
4. Autoclave at 121°C for 15 minutes.

FLUID THIOGLYCOLLATE MEDIUM (7137)

Formula / Liter

Enzymatic Digest of Casein ..... 15 g
Yeast Extract ..... 5 g
Dextrose ..... 5.5 g
L-Cystine ..... 0.5 g
Sodium Chloride ..... 2.5 g
Sodium Thioglycollate ..... 0.5 g
Resazurin ..... 0.001 g
Agar ..... 0.75 g
Final pH: 7.1 ± 0.2 at 25°C

Directions
1. Dissolve 29.8 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

HC AGAR BASE (7520)

Formula / Liter

Enzymatic Digest of Casein ..... 2.5 g
Enzymatic Digest of Animal Tissue .... 2.5 g
Yeast Extract ..... 5 g
Dextrose ..... 20 g
Disodium Phosphate ..... 3.5 g
Monopotassium Phosphate ..... 3.4 g
Ammonium Chloride ..... 1.4 g
Sodium Carbonate ..... 1 g
Magnesium Sulfate ..... 0.06 g
Chloramphenicol ..... 0.1 g
Agar ..... 15 g
Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 54.5 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. Add 20 mL of Tween 80 (Polysorbate 80) and mix.
4. Autoclave at 121°C for 15 minutes.

LACTOBACILLI MRS AGAR (7543)

Formula / Liter

Enzymatic Digest of Animal Tissue ..... 10 g
Beef Extract ..... 10 g
Yeast Extract ..... 5 g
Dextrose ..... 20 g
Sodium Acetate ..... 5 g
Polysorbate 80 ..... 1 g
Potassium Phosphate ..... 2 g
Ammonium Citrate ..... 2 g
Magnesium Sulfate ..... 0.1 g
Manganese Sulfate ..... 0.05 g
Agar ..... 15 g
Final pH: 6.5 ± 0.2 at 25°C

Directions
1. Suspend 70 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.

LACTOBACILLI MRS BROTH (7406)

Formula / Liter

Enzymatic Digest of Animal Tissue ..... 10 g
Beef Extract ..... 10 g
Yeast Extract ..... 5 g
Dextrose ..... 20 g
Sodium Acetate ..... 5 g
Polysorbate 80 ..... 1 g
Potassium Phosphate ..... 2 g
Ammonium Citrate ..... 2 g
Magnesium Sulfate ..... 0.1 g
Manganese Sulfate ..... 0.05 g
Final pH: 6.5 ± 0.2 at 25°C

Directions
1. Dissolve 55 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

LACTOBACILLUS SELECTIVE AGAR BASE (7234)

Formula / Liter

Enzymatic Digest of Casein ..... 10 g
Yeast Extract ..... 5 g
Monopotassium Phosphate ..... 6 g
Ammonium Citrate ..... 2 g
Dextrose ..... 20 g
Sodium Acetate Hydrate ..... 25 g
Magnesium Sulfate ..... 0.575 g
Manganese Sulfate ..... 0.12 g
Ferrous Sulfate ..... 0.034 g
Polysorbate 80 ..... 1 g
Agar ..... 15 g
Final pH: 5.5 ± 0.2 at 25°C

Directions
1. Suspend 84 g of the medium in one liter of purified water. Mix thoroughly.
2. Add 1.32 mL of glacial acetic acid.
3. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
4. Avoid overheating. DO NOT AUTOCLAVE.

LETHEEN AGAR BASE (7118)

Formula / Liter

Enzymatic Digest of Casein ..... 5 g
Dextrose ..... 1 g
Beef Extract ..... 3 g
Lecithin ..... 1 g
Agar ..... 15 g
Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 25 g of the medium and 7 mL of Tween 80 (Polysorbate 80) 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.

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LETHEEN AGAR BASE, MODIFIED (7495)

Formula / Liter

Letheen Agar Base	25 g
Enzymatic Digest of Casein	10 g
Enzymatic Digest of Animal Tissue	10 g
Yeast Extract	2 g
Sodium Chloride	5 g
Sodium Bisulfite	0.1 g

Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Suspend 52.1 g of the medium and 7 mL of Tween 80 (Polysorbate 80) 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.

LETHEEN AGAR WITH TWEEN (7710)

Formula / Liter

Enzymatic Digest of Casein	5 g
Dextrose	1 g
Beef Extract	3 g
Lecithin	1 g
Tween 80	7 g
Agar	15 g

Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 32 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.

LETHEEN BROTH WITH TWEEN, MODIFIED (7712)

Formula / Liter

Letheen Broth Base	20.7 g
Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	10 g
Yeast Extract	2 g
Sodium Bisulfite	0.1 g
Polysorbate 80	5 g

Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Dissolve 42.8 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

LETHEEN BROTH BASE (7105)

Formula / Liter

Enzymatic Digest of Animal Tissue	10 g
Beef Extract	5 g
Sodium Chloride	5 g
Lecithin	0.7 g

Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Dissolve 20.7 g of the medium and 5 g of Tween 80 (Polysorbate 80) (# 7992) in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

LETHEEN BROTH BASE, MODIFIED (7496)

Formula / Liter

Letheen Broth Base	20.7 g
Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	10 g
Yeast Extract	2 g
Sodium Bisulfite	0.1 g

Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Dissolve 37.8 g of the medium and 5 g of Tween 80(Polysorbate 80) (#7992) in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

LITTMAN Agar (7173)

Formula / Liter

Enzymatic Digest of Gelatin	10 g
Oxgall	15 g
Dextrose	10 g
Crystal Violet	0.01 g
Agar	16 g

Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 51 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. Cool to 45 – 50°C and add 30 mcg of Streptomycin per mL of medium.

MacCONKEY Agar (7102)

Formula / Liter

Enzymatic Digest of Gelatin	17 g
Enzymatic Digest of Casein	1.5 g
Enzymatic Digest of Animal Tissue	1.5 g
Lactose	10 g
Bile Salts Mixture	1.5 g
Sodium Chloride	5 g
Neutral Red	0.03 g
Crystal Violet	0.001 g
Agar	13.5 g

Final pH: 7.1 ± 0.2 at 25°C

Directions
1. Suspend 50 g of the medium in one liter of purified water.
2. Heat with frequent agitation and boil for one minuteto completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes

MALT Agar (7456)

Formula / Liter

Malt Extract	30 g
Agar	15 g

Final pH: 5.5 ± 0.2 at 25°C

Directions
1. Suspend 45 g of the medium in one liter of purified water.
2. Heat with frequent agitation to boiling to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

MANNITOL SALT Agar (7143)

Formula / Liter

Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	5 g
Beef Extract	1 g
D-Mannitol	10 g
Sodium Chloride	75 g
Phenol Red	0.025 g
Agar	15 g

Final pH: 7.4 ± 0.2 at 25°C

Directions
1. Suspend 111 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.

Mycobiotic Agar (7419)

Formula / Liter

Enzymatic Digest of Soybean Meal ..... 10 g
Dextrose..... 10 g
Agar ..... 15 g
Cycloheximide ..... 0.5 g
Chloramphenicol ..... 0.05 g
Final pH: 6.5 ± 0.2 at 25°C

Directions
1. Suspend 35.5 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 10 minutes.

Mycological Agar (7309)

Formula / Liter

Enzymatic Digest of Soybean Meal ..... 10 g
Dextrose..... 10 g
Agar ..... 16 g
Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 36 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.

Phenylethanol Agar (7147)

Formula / Liter

Enzymatic Digest of Casein ..... 15 g
Enzymatic Digest of Soybean Meal .... 5 g
Sodium Chloride ..... 5 g
Phenylethanol ..... 2.5 g
Agar ..... 15 g
Final pH: 7.3 ± 0.2 at 25°C

Directions
1. Suspend 42.5 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. Prepare 5 - 10% blood agar by aseptically adding the appropriate volume of sterile defibrinated blood to melted sterile agar medium, cooled to 45 - 50°C.

Potato Dextrose Agar (7149)

Formula / Liter

Potato Infusion from 200 g ..... 4 g*
Dextrose ..... 20 g
Agar ..... 15 g
*4.0 g of potato extract is equivalent to 200 g of infusion from potatoes.
Final pH: 5.6 ± 0.2 at 25°C

Directions
1. Suspend 39 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.

Potato Dextrose Broth (7585)

Formula / Liter

Potato Infusion from 200 g ..... 4 g*
Dextrose ..... 20 g
*4.0 g of potato extract is equivalent to 200 g of infusion from potatoes.
Final pH: 5.1 ± 0.2 at 25°C

Directions
1. Dissolve 24 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

Pseudomonas Cepacia Agar (7458)

Formula / Liter

Enzymatic Digest of Animal Tissue ..... 1 g
Sodium Pyruvate ..... 5 g
Bile Extract ..... 1.5 g
Ammonium Sulfate ..... 1 g
Ferrous Ammonium Sulfate ..... 0.01 g
Magnesium Sulfate ..... 0.2 g
Dipotassium Phosphate ..... 4.3 g
Monopotassium Phosphate ..... 2.1 g
Phenol Red ..... 0.02 g
Crystal Violet ..... 0.001 g
Agar..... 15 g
Final pH: 7.1 ± 0.2 at 25°C

Directions
1. Suspend 30 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 and aseptically add a filter sterilized solution containing Ticarcillin (100 mg) and Polymyxin B (300,000 units) dissolved in 10 mL of sterile water.

Pseudomonas Isolation Agar (7329)

Formula / Liter

Enzymatic Digest of Gelatin ..... 20 g
Magnesium Chloride ..... 1.4 g
Potassium Sulfate ..... 10 g
Irgasan ..... 0.025 g
Agar ..... 13.6 g
Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 45 g of the medium in one liter of purified water containing 20 mL of glycerol.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

Rose Bengal Chloramphenicol Agar (7664)

Formula / Liter

Enzymatic Digest of Soybean Meal ..... 5 g
Dextrose ..... 10 g
Monopotassium Phosphate ..... 1 g
Magnesium Sulfate ..... 0.5 g
Rose Bengal ..... 0.05 g
Chloramphenicol ..... 0.1 g
Agar, Bacteriological ..... 15.5 g
Final pH: 7.2 ± 0.2 at 25°C

Directions
1. Dissolve 32.2 grams 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.

Sabouraud Dextrose Agar (7150)

Formula / Liter

Enzymatic Digest of Casein ..... 5 g
Enzymatic Digest of Animal Tissue ..... 5 g
Dextrose ..... 40 g
Agar ..... 15 g
Final pH: 5.6 ± 0.2 at 25°C

Directions
1. Suspend 65 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.

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Sabouraud Dextrose Agar with Chloramphenicol (7306)

Formula / Liter

Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	5 g
Dextrose	40 g
Chloramphenicol	0.05 g
Agar	15 g

Final pH: 5.6 ± 0.2 at 25°C

Directions
1. Suspend 65 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.

Sabouraud Dextrose Agar with Lecithin & Tween (7392)

Formula / Liter

Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	5 g
Dextrose	40 g
Lecithin	0.7 g
Tween 80	5 g
Agar	15 g

Final pH: 5.6 ± 0.2 at 25°C

Directions
1. Suspend 71 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. DO NOT OVERHEAT.
4. After cooling to 45 - 50°C aseptically pour approximately 17 mL into 65 x 15 mm plates to give a meniscus of agar which extends above the top of the plate.

Sabouraud Dextrose Broth (7617)

Formula / Liter

Enzymatic Digest of Casein	5 g
Enzymatic Digest of Animal Tissue	5 g
Dextrose	20 g

Final pH: 5.6 ± 0.2 at 25°C

Directions
1. Dissolve 30 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

Standard Methods Agar (7157)

Formula / Liter

Enzymatic Digest of Casein	5 g
Yeast Extract	2.5 g
Dextrose (Glucose)	1 g
Agar	*15 g

* 9 – 18 g according to gel strength

Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Suspend 23.5 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.

TAT Broth (7219)

Formula / Liter

Enzymatic Digest of Casein	20 g
Lecithin	5 g

Final pH: 7.2 ± 0.2 at 25°C

Formula may be adjusted and/or supplemented as required to meet performance specifications.

Directions
1. Suspend 25 g of the medium in 960 mL of purified water.
2. Add 40 mL of Polysorbate 20 to the suspended medium.
3. Place the mixture in a 48 - 50°C water bath for 30 minutes. Stir occasionally.
4. Autoclave at 121°C for 15 minutes.

Thioglycollate Medium without Indicator (7160)

Formula / Liter

Enzymatic Digest of Casein	17 g
Enzymatic Digest of Soybean Meal	3 g
Dextrose	5.5 g
Sodium Chloride	2.5 g
L-Cystine	0.25 g
Sodium Thioglycollate	0.5 g
Agar	0.75 g

Final pH: 7.0 ± 0.2 at 25°C

Directions
1. Dissolve 29.5 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes. Cool to room temperature.

Todd Hewitt Broth (7161)

Formula / Liter

Heart Infusion (dehydrated)	3.1 g
Yeast Enriched Peptone	20 g
Dextrose	2 g
Sodium Chloride	2 g
Disodium Phosphate	0.4 g
Sodium Carbonate	2.5 g

Final pH: 7.8 ± 0.2 at 25°C

Directions
1. Dissolve 30 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes.

Tomato Juice Agar (7349)

Formula / Liter

Tomato Juice Solids	20 g
Enzymatic Digest of Casein	10 g
Peptonized Milk	10 g
Agar	11 g

Final pH: 6.1 ± 0.2 at 25°C

Directions
1. Suspend 51 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.

Tryptic Soy Agar (7100)

Formula / Liter

Enzymatic Digest of Casein	15 g
Enzymatic Digest of Soybean Meal	5 g
Sodium Chloride	5 g
Agar	15 g

Final pH 7.3 ± 0.2 at 25°C

Directions
1. Suspend 40 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. Optional: Prepare 5 to 10% blood agar by adding appropriate volume of sterile defibrinated blood to melted sterile agar medium, cooled to 45 – 50°C.

Tryptic Soy Agar with Lecithin & Tween 80 (7163)

Formula / Liter

Enzymatic Digest of Casein ..... 15 g
Enzymatic Digest of Soybean Meal ..... 5 g
Sodium Chloride ..... 5 g
Lecithin ..... 0.7 g
Tween 80 ..... 5 g
Agar ..... 20.5 g
Final pH: 7.3 ± 0.2 at 25°C

Directions
1. Suspend 51.2 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. Autoclave at 121°C for 15 minutes.

Tryptic Soy Broth (7164)

Formula / Liter

Enzymatic Digest of Casein ..... 17.0 g
Enzymatic Digest of Soybean Meal .... 3.0 g
Sodium Chloride ..... 5.0 g
Dipotassium Phosphate ..... 2.5 g
Dextrose ..... 2.5 g
Final pH: 7.3 ± 0.2 at 25°C

Directions
1. Dissolve 30 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.

Vogel & Johnson Agar (7207)

Formula / Liter

Enzymatic Digest of Casein ..... 10 g
Yeast Extract ..... 5 g
Mannitol ..... 10 g
Dipotassium Phosphate ..... 5 g
Lithium Chloride ..... 5 g
Glycine ..... 10 g
Phenol Red ..... 0.025 g
Agar ..... 15 g
Final pH: 7.2 ± 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. Autoclave at 121°C for 15 minutes.
4. After cooling to 45 - 50°C add 2 vials (20 mL) of Tellurite Solution (1%) Chapman Supplement (7989) or 20 mL of a sterile 1% Potassium Tellurite Solution.
5. Mix thoroughly before dispensing.