

WATER Microbiology

Drinking Water

1. Total Plate Counts

B869	M-(HPC) Heterotrophic Plate Count Agar Base	B299	Plate Count Agar
B1213	M-(HPC) Heterotrophic Plate Count Broth Base	B399	R-2A Agar
B654	Nutrient Agar, pH 6.8	B767	TGB Agar (Tryptone Glucose Beef Extract Agar)
B298	Plate Count Agar (Standard Method Agar)	B790	Tryptone Glucose Extract Agar (Tryptone Glucose Yeast Extract Agar)

Selective Culture Media for Detecting Organisms in Water and Waste Water

1. Campylobacter Species

I. Isolation and Cultivation

B116	Blood Agar Base No.2	BF013	Campylobacter Supplement - I(Blaser-Wang)
B945	Blood Free Campylobacter Selectivity Agar Base	BF014	Campylobacter Supplement - li (Butzler)
BF018	Campylobacter Supplement V (BFCSA)	BF015	Campylobacter Supplement - III (skirrow)
B125	Brucella Agar Base	BF016	Campylobacter Growth Supplement
BF016	Campylobacter Growth Supplement	BF041	Campylobacter Selective Supplement
BF021	Horse Serum	BF042	Campylobacter Supplement VI (Butzler)
B951	Brucella Agar Base, Modified	B657	Preston Agar Base
BF016	Campylobacter Growth Supplement	BF033	Campylobacter Selective Supplement IV (Preston Selective Supplement)
B126	Brucella Broth Base	B994	Columbia Blood Agar Base
BF016	Campylobacter Growth Supplement	BF013	Campylobacter Supplement - I(Blaser-Wang)
B1159	Campylo Thioglycollate Medium Base	BF014	Campylobacter Supplement - li (Butzler)
B964	Campylobacter Agar Base	BF015	Campylobacter Supplement - III (skirrow)
BF013	Campylobacter Supplement - I (Blaser - Wang)	BF016	Campylobacter Growth Supplement
BF015	Campylobacter Supplement -II (Skirrow)	BF041	Campylobacter Selective Supplement
B966	Campylobacter Enrichment Broth Base (Preston Enrichment Broth Base)	BF042	Campylobacter Supplement VI (Butzler)
BF033	Campylobacter Selective Supplement IV (Preston Selective Supplement)	B657	Preston Agar Base
B994	Columbia Blood Agar Base	BF033	Campylobacter Selective Supplement IV (Preston Selective Supplement)

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II. Biochemical Characterization

B286	Phenol Red Dextrose Broth	B048	Triple Sugar Iron Agar
B309	SIM Medium		

2. Clostridium perfringens

B499	Differential Reinforced Clostridial Broth Base	BF119	M-CP Selective Supplement - I
B887	Liver Meat Infusion Agar	BF120	M-CP Selective Supplement - II
B1211	M-CP Agar Base		

2. Clostridium perfringens

A. Total Coliforms (Faecal and Non-faecal)

1. MPN Presumptive Test

B024	Fluid Lactose Medium	B991	Lauryl Sulphate Broth (Lauryl Tryptose Broth)
B316	Lactose Broth	B245	MacConkey Broth Purple w/ BCP

II. MPN Confirmed Test

B015	Brilliant Green Bile Broth 2%	B1226	Mineral Modified Glutamate Medium Base (Double Strength) (Twin Pack)
B180	EMB Agar, Levine	B515	Endo Agar Base
B514	Endo Agar	BF052	Basic Fuchsin
B1024	Endo Agar, Modified	B771	Tergitol - 7 Agar Base
B830	MUG MacConkey Agar	BF044	TTC Solution 1%
B603	MacConkey Agar w/1.35% Agar, CV, NaCl & 0.15% Bile Salts	B351	Violet Red Bile Agar

B. Faecal Coliforms

B900	A-1 Broth	B860	M 7 Hr FC Agar
B1139	B.T.B. Lactose Agar, Modified (Lactose Blue Agar)	B235	MUG Brilliant Green Bile Broth
B177	EC Broth	B	MUG Bromocresol Purple Broth w/Lactose
B387	Lauryl Tryptose Mannitol Broth w/Tryptophan	B602	MUG EC Broth
		B602 I	MUG EC Broth, Modified

Standard Packing : 500gm. PP Bottle

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B. Faecal Coliforms

B837	MUG Lauryl Sulphate Broth	B495	PA Broth
B1221	MUG Nutrient Agar	B753	Sorbitol Agar (MacConkey Sorbitol Agar)
B830	MUG MacConkey Agar		

I. Membrane Filter Technique

B878	M-EC Test Agar	B1100	M-FC Broth Base
B876	M-Endo Agar LES	B1195	M-Filter Rinse Broth
B875	M-Endo Broth	B1214	M-HD Endo Broth
B874	M-Endo Broth MF (MF Endo Medium) (M-Coliform Broth)	B1215	M-HD Broth w/BG
B870	M-FC Agar Base, Modified	B868	M-Lauryl Sulphate Broth
		B868 I	M-Lauryl Sulphate Broth
		B573	M-Tergitol 7 Agar Base

C. Differentiation of Faecal and Nonfaecal Coliforms

B441	Bromo Cresol Purple Broth Base	B763	MacConkey Broth (Double Strength) w/Neutral Red
B475	Crystal Violet Lactose Broth	B245	MacConkey Broth Purple w/BCP
B484	Decarboxylase Test Medium Base	B161	Moeller Decarboxylase Broth Base
B164	Deoxycholate Lactose Agar (Hynes)	B579	Motility Test Medium
B543	Glucose Phosphate Broth	B319	Simmons Citrate Agar
B215	Koser Citrate Medium	B1127	Tryptone Broth (Tryptone Water)
B1198	Lactose Peptone Broth		

D. Coliphage Detection

B039	Soyabean Casein Digest Agar	B040	Soyabean Casein Digest Medium
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4. Faecal Streptococci

I. MPN Test

B107	Azide Dextrose Broth	BF044	TTC Solution 1%
B539	Glucose Azide Broth	B640	Pfizer Selective Enterococcus Agar
B698 I	MUD SF Broth Base	B707	SF Broth
BF121	Enterococcus Selective Supplement	B341	Salt Broth , Modified

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4. Faecal Streptococci

II. Membrane Filter Technique

B422	Bile Esculin Agar	B571	Kanamycin Esculin Azide Agar
B119	Brain Heart Infusion Agar	B222	M-Azide Broth Base
B121	Brain Heart Infusion Broth	BF044	TTC Solution 1%
B1077	KF Streptococcal Agar Base	B406	M-Enterococcus Agar Base
BF044	TTC Solution 1%	B872	M-Enterococcus Agar Base, Modified
BF067	Bromo Cresol Purple		

III. Plate Count

B425	Bile Escuin Azide Agar	B211	KF Streptococcal Broth Base
B1077	KF Streptococcal Agar Base	BF044	TTC Solution 1%
BF044	TTC Solution 1%		

IV. Presumptive Confirmed Test

B107	Azide Dextrose Broth	B518	Esculin Iron Agar
B425	Bile Escuin Azide Agar	B520	Ethyl Violet Azide Broth (E.V.A. Broth)
B949	Bromo Cresol Purple Azide Broth	B503	Ethyl Violet Azide Dextrose Agar
B186	Enterococcus Confirmatory Agar	B296	Nutrient Gelatin
B187	Enterococcus Confirmatory Broth	B320	Slanetz & Bartley Medium
B1028	Enterococcus Presumptive Broth		

5. Klebsiella Species

I. Selective Isolation

B243	MacConkey Agar, Modified
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II. Identification

B215	Koser Citrate Medium	B319	Simmons Citrate Agar
B543	MR-VP Medium (Glucose Phosphate Broth)	B1127	Tryptone Broth (Tryptone Water)

III. Membrane Filter Technique

B870	M-FC Agar Base, Modified	BF078	Rosolic Acid
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6. Legionella Species

B127	Buffered Charcoal Yeast Extract Agar Base	BF132	Legionella Selective Supplement
BF025	Legionella Selective Supplement IV (MWY)	BF133	Legionella Supplement
BF026	Legionella Supplement	B627	Modified Buffered Charcoal Agar Base
B1034	Feeley Gorman Agar (F.G. Agar)	BF023	Legionella Selective Supplement II
B1035	Feeley Gorman Broth (F.G. Broth)	BF024	Legionella Selective Supplement III
B1202	Legionella Agar Base	BF025	Legionella Selective Supplement IV (MWY)
BF131	Legionella Growth Supplement	BF026	Legionella Supplement

7. Leptospira species

B1039	Fletcher Leptospira Medium Base (Leptospira Medium Base, Fletcher)	BF021	Horse serum
		B586	Leptospira Medium Base, Korthof, Modified

8. Salmonella and Shigellae

A. Qualitative Test

I. Pre - Enrichment

B024	Fluid Lactose Medium	B040	Soyabean Casein Digest Medium
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II. Selective Enrichment

B197	GN Broth, Hajna	B264	Mueller Kauffman Tetrathionate Broth Base
B244	MacConkey Broth w/Neutral Red	B386	Rappaport Vassiliadis Medium
B763	MacConkey Broth (Double Strength) w/Neutral Red	B317	Selenite Broth (Selenite F Broth)
BW763	MacConkey Broth (Double Strength) w/Neutral Red	B026	Selenite Cystine Broth
B245	MacConkey Broth Purple w/BCP	B027	Tetrathionate Broth Base (w/o Iodine & BG)
B760	MacConkey Vroth Purple	B332	Tetrathionate Broth Base, Hajna (TT Broth Base)

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III. Selective Isolation

B114	B.G. Sulpha Agar (Brilliant Green Sulpha Agar)	B238	MacConkey Agar w/0.15% Bile Salts, CV & NaCl
B115	Bismuth Sulphite Agar	B779	MacConkey Agar w/CV, NaCl & 0.15% Bile Salts
B429	Bismuth Sulphite Agar, Modified	B603	MacConkey Agar w/1.35% Agar, CV, NaCl & 0.15% Bile Salts
B123	Brilliant Green Agar Base, Modified	B240	MacConkey Agar w/o CV, w/0.15% Bile Salts
BF020	Sulpha Supplement	B241	MacConkey Agar w/o CV, w/1.2% Agar
B124	Brilliant Green Agar Base w/ 1.2% Agar	B242	MacConkey Agar w/o CV, w/0.5% Bile Salts
BF020	Sulpha Supplement	B604	MacConkey Agar w/Bromo Thymol Blue
B016	Brilliant Green Bile Agar	B274	Nutrient Broth
B015	Brilliant Green Bile Broth 2%	B310	S S Agar
B163	Deoxycholate Citrate Agar	B365	Salmonella Differential Agar (Twin Pack)
B022	EMB Agar		(RajHans Medium)
B180	EMB Agar, Levine	B345	Salmonella Differential Agar, Modified (Twin Pack)
B023	EMB Broth	B360	Xylose Lysine Agar Base
B203	Hektoen Enteric Agar	B361	Xylose Lysine Deoxycholate Agar (XLD Agar)
B1210	Leifson Agar		
B1126	Leifson's Deoxycholate Agar, Modified		
B236	MacConkey Agar w/o CV, NaCl, w/0.15% sodium Taurocholate		
B237	MacConkey Agar w/o CV, NaCl w/0.5% Bile Salts		

IV. Identification & Biochemical Characterization

B212	Kligler Iron Agar	B289	Phenol Red Lactose Broth
B215	Koser Citrate Agar	B293	Phenol Red Mannitol Broth
B232	Lysine Iron Agar	B295	Phenol Red Sucrose Broth
B596	Lysine Iron Cystine Broth Base	B683	Phenylalanine Agar
BF077	Novobiocin Selective Supplement	B684	Phenylalanine Malonate Broth (shaw & Clarke Medium)
B880	Lysine Lactose Broth	B309	SIM Medium
B247	Malonate Broth, Ewing, Modified	B319	Simmons Citrate Agar
B634	Moeller Decarboxylase Broth w/Lysine HCl	B048	Triple Sugar Iron Agar
B590	Motility Indole Lysine Medium (MIL Medium)	BW1128	Tryptophan Medium
B261	Motility Sulphide Medium	B347	Urea Agar Base (Christensen) (Autoclavable)
B286	Phenol Red Dextrose Broth	BF048	Urea 40%
B675	Phenol Red Dulcitol Broth	B496	Urea Broth Base
		BF048	Urea 40%

Standard Packing : 500gm. PP Bottle

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B. Quantitative Tests

I. MPN Presumptive

B317 Selenite Broth

B026 Selenite Cystine Broth

B027 Tetrathionate Broth Base (w/o Iodine & BG)

II. MPN Confirmed

B123 Brilliant Green Agar Base, Modified

BF020 Sulpha Supplement

B124 Brilliant Green Agar Base w/1.2% Agar

BF020 Sulpha Supplement

B232 Lysine Iron Agar

B596 Lysine Iron Cystine Broth Base

BF077 Novobiocin Selective Supplement

B048 Triple Sugar Iron Agar

B361 Xylose Lysine Deoxycholate Agar (XLD Agar)

III. Membrane Filter Technique

B669 M-Bismuth Sulphite Broth

B850 M-Brilliant Green Broth

B862 M-Tetrathionate Broth Base

9. Vibrio Cholera & NAG Vibrios

I. Enrichment

B398 Alkaline Peptone Water

II. Selective Isolation

B042 TCBS Agar

B372 VP Medium

B811 Vibrio Agar

B387 Vibrio Parahaemolyticus Sucrose Agar

III. Identification

B633 Moeller Decarboxylase Broth w/Arginine HCl

B634 Moeller Decarboxylase Broth w/Lysine HCl

B635 Moeller Decarboxylase Broth w/Ornithine HCl

B295 Phenol Red Sucrose Broth

B797 Tryptone Soya Agar w/added NaCl

B347 Urea Agar Base (Christensen)
(Autoclavable)

BF048 Urea 40%

BW356 Wagatsuma Agar Base

10. Yersinia Enterocolitica

I. Enrichment

B662 PSB Broth Base

B663 PSTA Enrichment Broth Base

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II. Selective Isolation

B002 I	Yersinia Isolation Agar	BF102	Yersinia Selective Supplement
B001 I	Yersinia Selective Agar Base		

III. Identification

B424	Bile Esculin Agar Base	B579	Motility Test Medium
BF011	Esculin	B286	Phenol Red Dextrose Broth
B444	CAL Agar (Cellobiose Arginine Lysine Agar)	B675	Phenol Red Dulcitol Broth
B445	CAL Broth (Cellobiose Arginine Lysine Broth)	B289	Phenol Red Lactose Broth
B232	Lysine Iron Agar	B293	Phenol Red Mannitol Broth
B633	Moeller Decarboxylase Broth w/Arginine HCl	B295	Phenol Red Sucrose Broth
B634	Moeller Decarboxylase Broth w/Lysine HCl	B683	Phenylalanine Agar
B635	Moeller Decarboxylase Broth w/Ornithine HCl	B319	Simmons Citrate Agar

Recreational Water

Selective Culture Media for Detection of Organisms in Recreational Water

1. Actinomyces Species

B393	Actinomyces Agar	B654	Nutrient Agar, pH 6.8
B395	Actinomycete Isolation Agar	B746	Starch Casein Agar
B1051	Garrod Actinomyces Medium		

2. Aeromonas species

B918	Aeromonas Isolation Medium Base	B388	RS Medium Base
BF001	Aeromonas Selective Supplement	BF083	Novobiocin Supplement
B920	Ampicillin Dextrin Agar Base	B702	Rippey-Cabelli Agar Base
BF001	Ampicillin Dextrin Selective Supplement	BF094	Rippey Cabelli Selective Supplement
B234	M-Aeromonas Selective Agar Base(Havelaar)		

Standard Packing : 500gm. PP Bottle

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3. Iron & Sulphur Bacteria

B456	Casitone Glycerol Yeast Autolysate Broth Base (CGY)	B697	MN Agar Base
B958	Iron Oxidizing Medium (Twin Pack)	B761	Sulphate Reducing Medium (Twin Pack)
B568	Isolation Medium For Iron Bacteria	B762	Sulphate Reducing Medium (Triple Pack)
B752	Maintenance (SCY) Medium	B137	Sulphur Medium (Twin Pack)

4. Pseudomonas aeruginosa

B911	Acetamide broth (Twin Pack)	B714	Milk Agar (Brown & Scott Modified) (Twin Pack)
B842	Asparagine Broth (Coccidioidin & Histoplasmin Broth)	B706 I	Milk Agar w/Cetrimide (Twin Pack)
B933	Asparagine Proline Broth	B302	Pseudomonas Agar (For Fluorescein)
B975	Cetrimide Agar Base	B303	Pseudomonas Agar (For Pyocyanin)
BF035	Nalidixic Selective Supplement	B695	Pseudomonas Agar Base
B139	Cetrimide Broth	BF092	Cetrinix Supplement
B976	Cetrimide Broth Base	BF093	CFC Supplement
B1014	Drake's Medium 10	B414	Pseudomonas Asparagine Broth
B866	M-PA Agar Base	B304	Pseudomonas isolation Agar Base

5. Staphylococci

B106	Azide Blood Agar Base	B896	Lipovitellin Salt Mannitol Agar Base
B013	Baird Parker Agar Base	BF003	Egg Yolk Emulsion
BF007	Egg Yolk Tellurite Emulsion	B863	M-Staphylococcus Broth
BF003	Egg Yolk Emulsion	B053	Mannitol Salt Agar Base
BF008	Potassium Tellurite 3.5%	BF003	Egg Yolk Emulsion
BF009	B P Sulpha Supplement	B665	Phenylethyl Alcohol Agar
B475	Crystal Violet Lactose Agar	B534	Staphylococcus Agar No. 110
BF007	Egg Yolk Tellurite Emulsion		

6. Streptococcus mitis-salivarius

B258	Mitis Salivarius Agar Base	BF010	Potassium Tellurite 1%
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B473	Corn Meal Agar	BF086	Oxytetra Selective Supplement
B156	Czapek Dox Agar	B307	Rose Bengal Agar Base
B157	Czapek Dox Broth	BF004	Chloramphenicol Selective Supplement
B480	Czapek Malt Agar	B703	Rose Bengal Chloramphenicol Agar
B1008	Diamalt Agar	B557	Yeast Malt Agar (YM Agar)
B279	Oxytetra Glucose Yeast Agar Base (OGYE Agar Base)	B363	Yeast Malt Broth (YM Broth)