Nutrient Liquid Media for Culturing and Enumeration

GVS provides as extensive range of culture broths and solutions for the cultivation, detection and enumeration of bacteria yeast, fungi, viruses, pathogens and molds. Each nutrient rich liquid media is specifically developed for use in the analysis of drinking water, surface water, milk, juice, beverages, sugar based drinks, food and pharmaceutical samples.These ready to use liquid medias are packaged in individual pre-portioned ampoules for ease of use. All liquid medias undergo detailed quality control checks in accordance with standard methods, guaranteeing uniform preparation every time. Comprehensive end product testing ensures a stable sterile liquid media for optimal culture growth.

Quick Media Selection Guide for Common Evaluation Processes and Micro-Organisms

Water, wastewater and purified water

Quality control systems for wastewater analysis and production systems using water. Typical organisms include Pseudomonads, Escherichia coli, Staphylococci, spore formers, yeasts and molds.

Selective microorganism	Positive test organism	Media	Product No.
Acid-tolerant micro-organisms Lactic-acid bacteria	Lactobacillus fermentum (ATCC 9338) Candida albicans (ATCC 10231)	Orange Serum Broth	10496104
Aerobic bacteria	Escherichia coli (E.coli) (ATCC 25922)	HPC Broth HPC Broth with TTC M-TGE Total Count Broth Total Count Media with TTC	10496164 10496151 10496102 10496113
Total Coliforms and Escherichia coli	Escherichia coli (E.coli) (ATCC 25922)	Brilliant Green Bile Broth EC Broth M-Endo Coliform Broth M-FC Broth M-FC Broth with Rosolic Acid MI Broth MI Agar EC Broth with MUG M-TGE Total Count Broth	10496710 10496714 10496103 10496124 10496114 10496192 10496847 10496709 10496102
Enterococci	Enterococci faecalis (ATCC 19433)	Enterococcus Broth	10496120
Fecal Streptococci	Escherichia coli (E.coli) (ATCC 25922) Streptococcus faecalis (ATCC 19433)	KF-Streptococcus Broth	10496125
Pseudomonas aeruginosa	Pseudomonas aeruginosa (ATCC 10145)	Cetrimide Broth Pseudomonas Broth	10496146 10496119
Staphylococci	Staphylococcus aureus (ATCC 25923)	Mannitol Salt Broth	10496121
Yeast and Mold	Zygosaccharomyces bailii (ATCC 58445 Candida albicans (ATCC 10231)	PRY Broth (Preservative Resistant Yeast) M-Green Select Broth M-Green Yeast and Mold Broth	10496106 10496116 10496101

Soft drinks, fruit juices, concentrates and sugar products

Due to different pHs and carbonation levels the nutrient media for detection of these contaminants are very specific.

Selective microorganism	Positive test organism	Media	Product No.
Acid-tolerant micro-organisms Lactic-acid bacteria Lactobacillus, Oenococcus (product spoiling organisms)	Lactobacillus fermentum (ATCC 9338) Candida albicans (ATCC 10231)	Orange Serum Broth Wallerstein Differential Broth (WLD)	10496104 10496109
Aerobic bacteria	Escherichia coli (E.coli) (ATCC 25922)	HPC Broth HPC Broth with TTC M-TGE Total Count Broth Total Count Media with TTC	10496164 10496151 10496102 10496113
Total Coliform and Escherichia coli	Saccharomyces cerevisiae (ATCC 9763)	Brilliant Green Bile Broth M-Endo Coliform Broth MI Broth MI Agar EC Broth with MUG M-TGE Total Count Broth	10496710 10496103 10496192 10496847 10496709 10496102

Selective microorganism	Positive test organism	Media	Product No.
Pseudomonas aeruginosa	Pseudomonas aeruginosa (ATCC 10145)	Cetrimide Broth Pseudomonas Broth	10496146 10496119
Yeast and Mold	Zygosaccharomyces bailii (ATCC 58445) Candida albicans (ATCC 10231)	PRY Broth (Preservative Resistant Yeast) M-Green Select Broth M-Green Yeast and Mold Broth	10496106 10496116 10496101
Staphylococci	Staphylococcus aureus (ATCC 25923)	Mannitol Salt Broth	10496121

Beer and Wine

Beer quality control is focused on beer spoiling bacteria like Lactobacilli and Pediococci as well as wild yeast.
Wine quality control is focussed on taste spoiling organisms including acid tolerant species like acetic acid bacterial and lactic acid bacterial as well as yeast and mold.

Selective microorganism	Positive test organism	Media	Product No.
Acetobacter		Orange Serum Broth (add 5-8% ethanol)	10496104
Aerobic bacteria	Escherichia coli (E.coli) (ATCC 25922)	Total Count Media with TTC	10496113
Bacteria in fermentation processes		Wallerstein Differential Broth (WLD)	10496109
Total Coliform and Escherichia coli	Saccharomyces cerevisiae (ATCC 9763) Escherichia coli (E.coli) (ATCC 25922)	M-Endo Coliform Broth M-Endo Coliform Broth MI Broth MI Agar	10496103 10496103 10496192 10496847
Lactobacilli, Pediococci (beer spoiling organisms)	Lactobacillus fermentum (ATCC 9338) Candida albicans (ATCC 10231)	Orange Serum Broth Wallerstein Differential Broth (WLD)	10496104 10496109
Yeast and Mold	Zygosaccharomyces bailii (ATCC 58445) Saccharomyces cerevisiae (ATCC 9763)	PRY Broth (Preservative Resistant Yeast) Wallerstein Nutrient Broth (WLN)	10496106 10496108

Dairy Products

Dairy quality control is focused on the presence of bacteria, yeasts and mold and milk borne diseases. E.coli and Streptococci in dairy products may cause illness or spoilage. Other beneficial bacteria may be specifically added to milk for fermentation to produce products like yogurt and cheese.

Selective microorganism	Positive test organism	Media	Product No.
Aerobic bacteria	Escherichia coli (E.coli) (ATCC 25922)	HPC Broth HPC Broth with TTC M-TGE Total Count Broth Total Count Media with TTC	10496164 10496151 10496102 10496113
Total Coliform and Escherichia coli	Saccharomyces cerevisiae (ATCC 9763) Escherichia coli (E.coli) (ATCC 25922)	M-Endo Coliform Broth Brilliant Green Bile Broth EC Broth MI Broth MI Agar	10496103 10496710 10496714 10496192 10496847
Enterococci	Enterococci faecalis (ATCC 19433)	Enterococcus Broth	10496120
Fecal Streptococci	Streptococcus faecalis (ATCC 19433)	KF-Streptococcus Broth	10496125
Lactobacillus	Lactobacillus plantarum (ATCC 8014) Lactobacillus fermentum (ATCC 9338)	MRS Broth Wallerstein Differential Broth (WLD)	10496112 10496109

Food

Quality control systems for raw materials and final product. Typical organisms include Pseudomonads, Escherichia coli, Staphylococci, Streptococci, yeasts and molds.

Selective microorganism	Positive test organism	Media	Product No.
Acid-tolerant micro-organisms	Lactobacillus fermentum (ATCC 9338) Candida albicans (ATCC 10231)	Orange Serum Broth	10496104
Aerobic, facultative, anaerobic bacteria and fungi	Escherichia coli (E.coli) (ATCC 25922)	Total Count Media with TTC Trypticase Soy Broth (TSB)- Single Strength Trypticase Soy Broth (TSB) - Double Strength	10496113 10496707 10496708
Total Coliform and Escherichia coli	Saccharomyces cerevisiae (ATCC 9763) Escherichia coli (E.coli) (ATCC 25922)	M-Endo Coliform Broth Brilliant Green Bile Broth EC Broth EC Broth with MUG MI Broth MI Agar	10496103 10496710 10496714 10496709 10496192 10496847
Enterococci	Enterococci faecalis (ATCC 19433)	Enterococcus Broth	10496120
Fecal Streptococci	Streptococcus faecalis (ATCC 19433)	KF-Streptococcus Broth	10496125
Lactobacillus, especially in meat	Lactobacillus plantarum (ATCC 8014) Lactobacillus fermentum (ATCC 9338)	MRS Broth	10496112
Pseudomonas aeruginosa	Pseudomonas aeruginosa (ATCC 10145)	Cetrimide Broth Pseudomonas Broth	10496146 10496119
Yeast and Mold	Zygosaccharomyces bailii (ATCC 58445) Saccharomyces cerevisiae (ATCC 9763)	PRY Broth (Preservative Resistant Yeast) Wallerstein Nutrient Broth (WLN)	10496106 10496108

Pharmaceuticals, Raw Materials, Cosmetics

Quality control systems for raw materials and production systems using water. Typical organisms include Pseudomonads, Escherichia coli, Staphylococci, Streptococci, yeasts and molds.

Selective microorganism	Positive test organism	Media	Product No.
Aerobic, facultative, anaerobic bacteria and fungi	Escherichia coli (E.coli) (ATCC 25922)	Total Count Media with TTC Trypticase Soy Broth (TSB)- Single Strength Trypticase Soy Broth (TSB) - Double Strength	10496113 10496707 10496708
Total Coliform and Escherichia coli	Saccharomyces cerevisiae (ATCC 9763) Escherichia coli (E.coli) (ATCC 25922)	M-Endo Coliform Broth MI Broth MI Agar	10496103 10496192 10496847
Enterococci	Enterococci faecalis (ATCC 19433)	Enterococcus Broth	10496120
Fecal Streptococci	Streptococcus faecalis (ATCC 19433)	KF-Streptococcus Broth	10496125
Pseudomonas aeruginosa	Pseudomonas aeruginosa (ATCC 10145)	Cetrimide Broth Pseudomonas Broth	10496146 10496119
Staphylococci	Staphylococcus aureus (ATCC 25923)	Mannitol Salt Broth	10496121
Yeast and Mold	Zygosaccharomyces bailii (ATCC 58445) Saccharomyces cerevisiae (ATCC 9763)	PRY Broth (Preservative Resistant Yeast) Wallerstein Nutrient Broth (WLN)	10496106 10496108

Nutrient Liquid Media

2 mL ampouled media

Features & Benefits

- Wide range of products satisfies even special customer requirements
- Optimal media stability, sterility, and reproducibility
- Less time-consuming, higher productivity
- Batch-specific quality certificate in each pack

Liquid Media

Ready-to-use media considerably reduces the preparation time in quality control laboratories and also effectively reduces the risks of cross contamination.
GVS Life Sciences is cooperating closely with quality assurance managers in the industry in the development of its own media and test kits.
This intensive product development has produced a range of products that is being used to monitor production plants and conduct microbiological checks on raw materials through to final product release in laboratories.

Typical Applications

Microbiological analysis of:

- Drinking water
- Surface water
- Recreational water
- Purified water
- Beverage distilled and non distilled

Liquid Media Descriptions

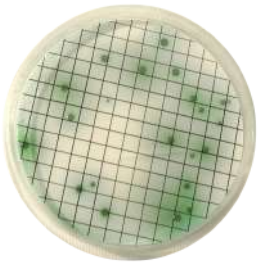
Brilliant Green Bile Broth 2%

Brilliant Green Bile Broth is used to detect coliforms in water, milk and other samples. BGBB contains two inhibitors of both gram-positive and selected gram-negative organisms, namely, oxgall and brilliant green dye. Fermentation is detected by gas production.

Brilliant Green Bile Broth

Cetrimide Broth

Cetrimide Broth is used for selective cultivation of Pseudomonas aeruginosa. Pseudomonas aeruginosa is characterized by the production of pyocyanin (a blue green, water soluble, non-fluorescent, phenazine pigment) which is stimulated by the inclusion of magnesium chloride and potassium sulfate in the broth. Cetrimide (N-cetyl-NNN-trimethylammonium bromide) is added to inhibit bacteria other than Pseudomonas aeruginosa. Its action as a quaternary ammonium cationic detergent causes nitrogen and phosphorous to be released from bacterial cells other than Pseudomonas aeruginosa.



Pseudomonas Media: Typical Growth of Pseudomonas aeroginosa ATCC 10145

EC Broth

EC (Escherichia coli) Broth is used to detect coliforms and E. coli. EC Broth contains casein peptone as a source of nutrients. Lactose provides the carbohydrate fermented by coliform bacteria and Escherichia coli. In addition, lactose-positive bacteria metabolize lactose with gas formation. Gram-positive bacteria are inhibited by the mixture of bile salts.

EC Broth with MUG

EC Broth with MUG is used to detect Escherichia coli in water, milk and food. The presence of fluorescence using a long-wave UV light source confirms the presence of Escherichia coli and no further confirmation is required. MUG detects anaerogenic strains, which may not be detected in the conventional procedure. Lactose is a source of energy. Casein peptone provides additional nutrients. The mixture of bile salts is inhibiting for gram-positive bacteria, particularly bacilli and fecal streptococci. The substrate 4-methylumbelliferyl-b-D-glucuronide is hydrolyzed by an enzyme, b-glucuronidase, possessed by most Escherichia coli and a few strains of Salmonella, Shigella and Yersinia, to produce a fluorescent end product, 4-methylumbelliferone.

EC-Broth: Vial Left: Control; Vial Right: Broth inoculated with Escherichia coli ATCC 25922

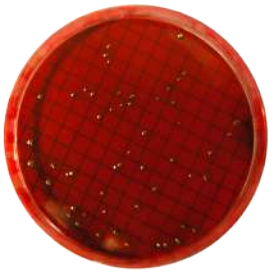
Liquid Media Descriptions

Enterococcus Broth
Enterococcus Broth is a modified version of the improved media described by Slanetz and Bartley with triphenyltetrazolium chloride (TTC). The membrane filtration method is simple to perform, does not require confirmation and permits a direct count of enterococci in 48 hours.

Heterotrophic Plate Count (HPC) Broth with or without TTC
HPC Broth and HPC Broth with TTC Heterotrophic Plate Count (HPC) Broth is used to determine live heterotrophs in drinking water and other media at incubation temperatures of 35°C. All bacteria grow on HPC with indicator media and produce a red color. This is a result of the precipitation of formazan following the reduction of 2,3,5- TTC by bacteria.

KF-Streptococcus Broth
KF-Streptococcus Broth is selective for the determination of fecal streptococci in polluted surface waters. Maltose and lactose are fermentable carbohydrates, sodium azide is the selective agent and brom cresol purple is the indicator dye.

Mannitol Salt Broth
Mannitol Salt Broth is used to detect presumptive pathogenic Staphylococci. Because of the amount of peptones and beef extract, Mannitol Salt is a nutrient rich medium. Most bacteria (other than staphylococci) are inhibited by the high concentration of sodium chloride. Organisms capable of fermenting mannitol, e.g., Staphylococcus aureus, cause a pH change in the media. With phenol red as the pH indicator the colonies appear with a yellow coloration.



M-Endo Coliform Broth

M-Endo Coliform Broth
M-endo Broth is used to detect coliform in water samples. M-Endo is a red colored media, which needs to be stored in the dark to prevent discoloration. Gram-positive bacteria are inhibited on this media by the deoxycholate and lauryl sulfate. The addition of ethanol increases the antibacterial nature of the formulation. Lactose fermenting organisms form aldehydes, which react with Schiff's reagent (basic fuchsin and sodium sulfite) to give red colored zones around the colonies. Coliform colonies are therefore red with a characteristic metallic sheen.

M-FC Broth
M-FC (fecal coliform) Broth allows the development of fecal coliforms at elevated temperatures (44.5°C).

M-FC with Rosolic Acid
M-FC with Rosolic Acid acts and functions in the same way as M-FC Broth. Rosolic acid inhibits bacterial growth in general, except for fecal coliforms.

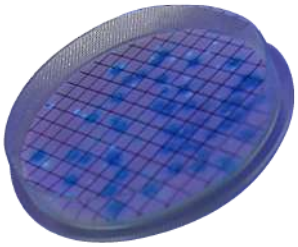
M-Green Yeast and Mold Broth: Typical Growth of Candida Albicans ATCC10231 on a Black Membrane

M-Green Yeast and Mold Broth and M-Green Yeast and Mold Agar
M-Green Yeast and Mold Broth is used to detect yeast and mold in beverages and food. M-Green Yeast and Mold Broth is an improved modification of the liquid media. The addition of bromocresol green, which diffuses into fungal colonies as an alkaline reaction, allows them to be easily identified. Metabolic by-products from the developing colonies diffuse into the surrounding medium, further reducing the pH which aids in the inhibition of bacterial growth, but also produces an acid reaction that causes residual bromocresol green to change to yellow.

M-Green Select Broth
M-Green Select Broth was developed to improve efficiency of detection and enumeration of fungi in sugar based drinks using the membrane filtration method. This medium has a low pH, which inhibits bacterial growth. The addition of chloramphenicol further inhibits the growth of bacteria to allow for the development and enumeration of yeast and mold.

Liquid Media

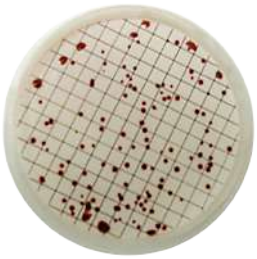
MI Broth and MI Agar
MI Broth detects the presence of coliform bacteria by the production of b-galactosidase, which cleaves the substrate MUGal to produce 4-methylumbelliferone, which fluoresces on exposure to UV light. Non-coliforms do not produce this enzyme and therefore do not fluoresce on the medium. Escherichia coli is detected by the compound IBDG. The b-glucuronidase produced by Escherichia coli cleaves the substrate to produce a blue indigo color in the colonies. As Escherichia coli is also a total coliform, and also produces b-galactosidase, it will also fluoresce. The antibiotic cefsulodin is present to inhibit the growth of gram-positive bacteria and some non-coliform gram-negative bacteria that can cause false positive reactions.



MI-Media: Pure Culture of Escherichia coli ATCC 25922 with UV Light

MRS Broth
MRS medium supports luxuriant growth of all lactobacilli, even the slow growing species.

M-TGE Total Count Media
All bacteria develop on TGE media and produce a range of different colored and sized colonies.



Total Count Media with Indicator. Escherichia Coli ATCC 25922 and Staphylococcus Aureus ATCC 25923 can be Easily Detected according to their Red to Pink Colonies

Orange Serum Media
Orange Serum Broth is used to detect aciduric microorganisms.Organisms known to grow in single strength and concentrated juices are lactic acid and acetic acid bacteria and yeast. Lactobacilli, Leuconostoc and yeast have all been identified as spoilage organisms by numerous authors. Orange serum at pH 5.4 to 5.6 has been reported to yield maximum counts of all types of spoilage organisms in mixed cultures and in single culture comparison tests.

PRY Broth
Preservative Resistant Yeast Broth is a low pH selective medium for the detection of spoilage microorganism in beverages and water.

Pseudomonas Broth
Pseudomonas aeruginosa is characterized by the production of pyocyanin (a blue green, water soluble, non-fluorescent, phenazine pigment) which is stimulated by the inclusion of magnesium chloride and potassium sulfate in the broth. Irgasan, an antimicrobial agent, selectively inhibits gram-positive and gram-negative bacteria other than pseudomonads. Glycerol both serves as an energy source and helps in the promotion of pyocyanin.

Total Count Media with TTC
All bacteria develop on Total Count Media with indicator and produce a red color as a result of the precipitation of formazan following the reduction of 2,3,5- TTC by bacteria.

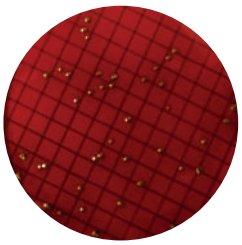
Trypticase Soy Broth Double Strength
(not Innoculated)

Trypticase Soy Broth – Single Strength
General purpose medium used in qualitative procedures for the cultivation of fastidious and non-fastidious microorganisms. Trypticase Soy Broth – Single Strength complies with the demands of the DIN Norm 10167 for the detection of Escherichia coli serotype 0157:H7 in foods and FDA-BAM for the isolation of enterohemorrhagic Escherichia coli (EHEC). In addition the media conforms to the formula of the US Pharmacopoeia.

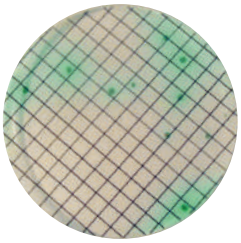
Trypticase Soy Broth – Double Strength
TSB is a medium that will support the growth of a wide variety of microorganisms including aerobic, facultative, and anaerobic bacteria and fungi.

Wallerstein Nutrient Broth (WL) and WL Differential Broth (WLD)
WL Nutrient Broth is for the cultivation and enumeration of yeast and WL Differential Broth is for determination of bacterial count. Use of the medium at pH 5.5 and incubation at 25°C will give reliable counts for brewer's yeast. Adjustment of the pH to 6.5 and incubation at 30°C allows for the selective growth of baker's and distiller's yeast.

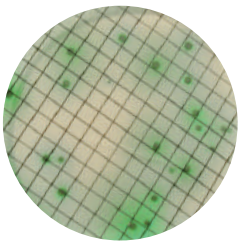
Liquid Media Selection Guide



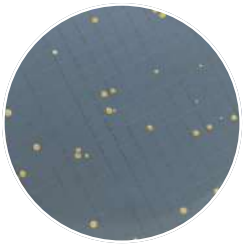
M-Endo Coliform Broth
Cat. No. 10 496 103
Coliform bacteria
E. coli ATCC 25922,
E. aerogenesATCC 13048,
P. aeruginosa ATCC 10145



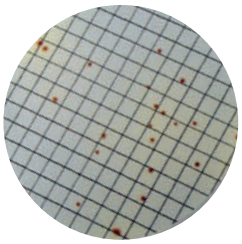
Cetrimide Broth
Cat. No. 10 496 146
Pseudomonas aeruginosa
P. aeruginosaATCC 10145



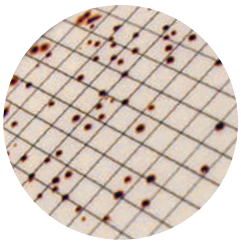
Pseudomonas Broth
Cat. No. 10 496 119
Pseudomonas
P. aeruginosaATCC 10145,
P. aeruginosaATCC 27853



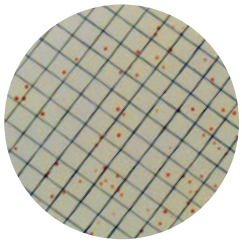
PRY Broth
Cat.No. 10 496 106
PRY
Z.Bailii ATCC 58445



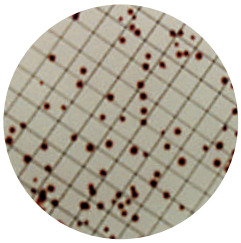
Enterococcus Broth
Cat. No. 10 496 120
Enterococci
E. faecalisATCC 19433



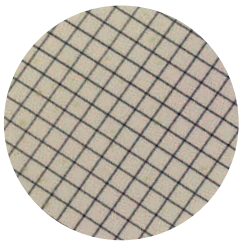
HPC Broth with TTC
Cat. No. 10 496 151
Heterotrophic Plate Count
E. coli ATCC 25922, E. faecalis
ATCC 29212, S. aureusATCC 25923



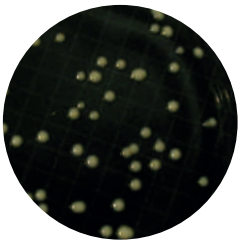
KF-Streptococcus Broth
Cat. No. 10 496 125
Fecal streptococci
E. faecalisATCC 29212,
E. faecalisATCC 19433



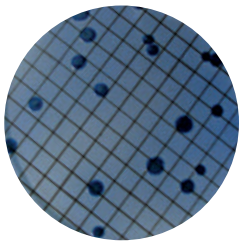
Total Count Media with TTC
Cat. No. 10 496 113
All aerobic bacteria
E. coli ATCC 25922, S. aureusATCC 25923,
P. aeruginosaATCC 10145,
E. faecalisATCC 29212



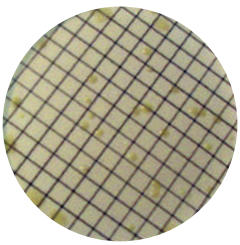
Mannitol Salt Broth
Cat. No 10 496 121
Staphylococci
S. aureusATCC 25923,
S. epidermidisATCC 12228



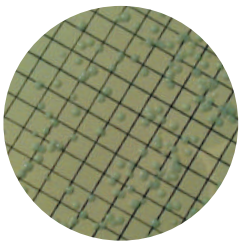
Wallerstein Nutrient Broth
Cat. No. 10 496 108
Sacchromyces cerivisiae
E. coli ATCC 25922,
L. fermentum ATCC 9338,
S. cerevisiaeATCC 9763



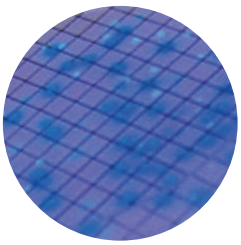
M-FC Broth/M-FC Broth
with Rosolic Acid Cat.
No. 10 496 124/114 Fecal coliforms
E. coli ATCC 25922,
E. aerogenes ATCC 13048



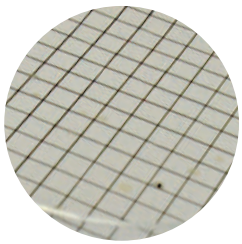
M-TGE Total Count Media
Cat. No. 10 496 102
All aerobic bacteria
E. coli ATCC 25922,
S. aureusATCC 25923



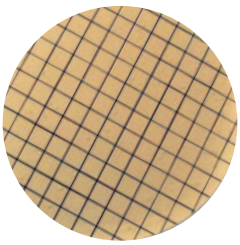
M-Green Yeast and Mold
Cat. No. 10 496 101
Yeast and Mold
C. albicans ATCC 10231,
S. cerevisiaeATCC 9763



MI Broth and MI Agar
Cat. No. 10 496 192/847
Coliform bacteria and Escherichia coli
E. coli ATCC 25922,
E. aerogenesATCC 13048

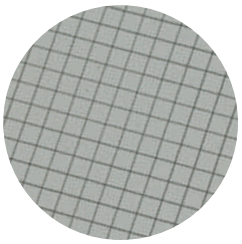


MRS Broth
Cat. No. 10 496 112
Lactobacilli
L. plantarum ATCC 8014



Orange Serum Media
Cat. No. 10 496 104 Various
L. acidophilusATCC 314,
S. cerevisiaeATCC 9763

Liquid Media Selection Guide



Wallerstein Differential Broth
Cat. No. 10 496 109
Lactobacillus plantarum
E. coli ATCC 25922,
L. fermentum ATCC 9338,
S. cerevisiaeATCC 9763

Trypticase Soy Broth
Single Strength
Cat. No. 10 496 707
B. subtilis ATCC 6633,
C. albicansATCC 10231,
E. coli ATCC 25922,
S. aureus ATCC 25923

Trypticase Soy Broth
Double Strength
Cat. No. 10 496 708
B. subtilis ATCC 6633,
C. albicansATCC 10231,
E. coli ATCC 25922,
S. aureus ATCC 25923

Brilliant Green Bile Broth 2%
Cat. No. 10 496 710
Coliform bacteria
E. coli ATCC 25922,
E. aerogenesATCC 13048

EC Broth
Cat. No. 10 496 714
Coliform bacteria
E. coli ATCC 25922,
E. aerogenesATCC 13048

EC Broth with MUG
Cat. No. 10 496 709
Escherichia coli
E. coli ATCC 25922

Hygiene SwabCheck
Cat. No. 10 498 407

Coliform SwabCheck
Cat. No. 10 498 406

Listeria SwabCheck
Cat. No. 10 498 408

Buffer Swabs
Cat. No. 10 498 305/10 498 306

Neutralizing Buffer Swabs
Cat. No. 10 498 303/10 498 304

Legend

- Water
- Beverages
- Food
- Wastewater
- Dairy
- Pharmaceutical
- Cosmetics

2 mL Ampoules
Ordering information

Product Code	Description	Packaging
10496146	Cetrimide Broth	50/pk
10496120	Enterococcus Broth	50/pk
10496164	Heterotrophic Plate Count (HPC) Broth with TTC	50/pk
10496151	HPC Broth	50/pk
10496125	KF-Streptococcus Broth	50/pk
10496121	Mannitol Salt Broth	50/pk
10496103	M-Endo Coliform Broth	50/pk
10496124	M-FC media	50/pk
10496114	M-FC Broth with rosolic acid	50/pk
10496116	M-Green Select Broth	50/pk
10496101	M-Green Yeast and Mold Broth	50/pk
10496192	MI-Broth Media	50/pk
10496112	MRS Broth	50/pk
10496102	M-TGE Broth	50/pk
10496104	Orange Serum Broth	50/pk
10496106	PRY Broth	50/pk
10496119	Pseudomonas Broth	50/pk
10496113	Total Count Broth with TTC	50/pk
10496108	Wallerstein Broth	50/pk
10496109	Wallerstein Differential Broth	50/pk

9 mL Vials
Ordering information

Product Code	Description	Packaging
10496710	Brilliant Green Bile Bottled Broth, with Durham tubes	20/pk
10496714	EC Bottled Broth, with Durham tubes	20/pk
10496709	EC with MUG, Bottled Broth	20/pk

Bottled Media
Ordering information

Product Code	Description	Packaging
10496851	MI Media, Bottled Broth, 50 mL,	1/pk
10496847	MI Media, Bottled Agar, 50 mL	1/pk
10496705	M-Green Yeast and Mold Bottled Agar, 100 mL	1/pk
10496707	Trypticase Soy Broth (TSB) Single strength, Bottled Broth, 100 mL	1/pk
10496708	Trypticase Soy Broth (TSB) Double strength, Bottled Broth, 100 mL	1/pk
10496744	ColiCheck with MUG, Presence-Absence (P-A) Test Kit with Sample Bottles	30/pk