

Whatman™ MI broth and other media

Whatman offers a wide range of specialized media formulated to achieve accurate test results for a variety of contaminants. Each type of media is designed to detect and identify its target with unparalleled precision. Whatman MI Broth, for example, detects the presence of coliform bacteria by causing the organisms to fluoresce under UV light, making them easy to detect. *Escherichia coli* produces a deep indigo color upon contact with Whatman MI Broth, marking it for identification. Perfect for use with Whatman microbiological monitors and filtration systems, all Whatman media provide reliable results with low incidences of false positives.

Features and benefits

- **Fluorescent results:** MI Broth detects the presence of coliform bacteria by the production of β -galactosidase, which fluoresces on exposure to UV light.
- ***E. coli* isolation:** in addition to fluorescing, *Escherichia coli* colonies take on a blue color to distinguish them from other coliforms.
- **Fewer false positives:** the antibiotic cefsulodin is added to inhibit the growth of gram-positive bacteria and some non-coliform gram-negative bacteria.
- **Negative control:** complete inhibition of *Pseudomonas aeruginosa* ATCC 10145 occurs at 35°C after 24 hours.
- **Short incubation period:** positive control for *Escherichia coli* ATCC 25922 and *Enterobacter aerogenes* ATCC 13048 can be achieved in 18-24 hours at 35°C.
- **Sterility capabilities:** plated sterility test measured to seven days.

Applications

Microbiological analysis of:

- Drinking water
- Surface water
- Recreational water
- Purified water

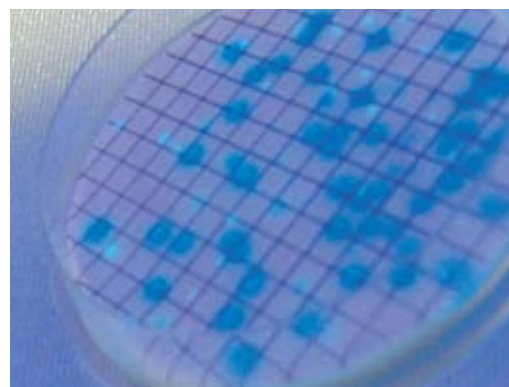


Fig 1. MI Media: Pure culture of *Escherichia coli* ATCC 25922 with UV light.

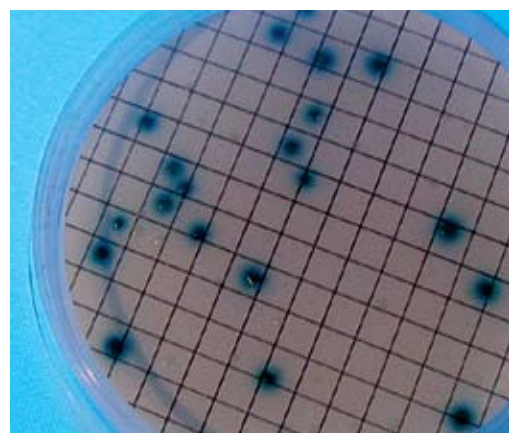


Fig 2. MI Broth Media: Mixed culture with *Escherichia coli* ATCC 25922 and *Enterobacter aerogenes* ATCC 13048 without UV.



Quality Whatman Media

Ready-to-use media considerably shortens sample preparation time and reduces the risks of cross-contamination. Whatman offers a wide range of liquid media in 2 ml ampoules.

M-Endo Coliform Broth: this red media is used for the enumeration of coliforms by membrane filtration. Ideal for drinking water and waste water contaminant testing, M-Endo Coliform Broth is used to differentiate lactose from non-lactose fermenting intestinal organisms.

M-FC with Rosolic Acid: used in waste water analysis, M-FC (Membrane Fecal Coliform) media is designed for the detection of fecal coliforms as an index of water pollution. Rosolic acid acts as an inhibitor, preventing all bacterial growth with the exception of fecal coliforms.

Cetrimide Broth: designed for analysis of water, pharmaceuticals and cosmetic products, Cetrimide Broth is used for the isolation and determination of *Pseudomonas aeruginosa*. Cetrimide inhibits the growth of any bacteria other than the target.

Pseudomonas Broth: this media is used for differentiating *Pseudomonas aeruginosa* from other pseudomonads based on pigment formation. Colonies positive for *Pseudomonas aeruginosa* develop a blue-green color, while other pseudomonads become amber and non-pseudomonads are suppressed.

M-Green Yeast and Mold: this liquid media is used for the detection and enumeration of yeast and mold in soft drinks and fruit juices. Detected organisms can include *S. cerevisiae* and *C. albicans*. *E. coli* is partially inhibited by low pH.

HPC Broth with TTC: used in analysis of potable water, dairy products and swimming pools, HPC (Heterotrophic Plate Count) Broth determines the total bacteria count using TTC indicator. Specific colonies can then be identified using standard microbiology techniques.

M-TGE Total Count Media: total count media is used for the non-selective development and enumeration of all aerobic bacteria. Organisms develop on TGE media to produce a range of differently colored and sized colonies, which can then be identified using standard microbiology techniques.

Total Count Media with TTC: like M-TGE Total Count Media, this media is used for non-selective development of all aerobic bacteria. The reduction of 2,3,5-triphenyltetrazolium chloride (TTC) serves as an indicator, developing all bacteria types to produce a red color for easy counting.

www.gelifesciences.com/whatman

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Fig 3. 2 ml ampouled media.

Ordering information

Media	Product	Amount	Qty/ Pkg	Catalog Number
Cetrimide Broth	Ampouled Media	2 ml	50	10 496 146
HPC Broth with TTC	Ampouled Media	2 ml	50	10 496 151
M-Endo Coliform Broth	Ampouled Media	2 ml	50	10 496 103
	Bottled Broth	50 ml*	8	10 496 700
	Bottled Broth	50 ml**	8	10 496 701
M-FC Broth with Rosolic Acid	Ampouled Media	2 ml	50	10 496 114
M-Green Yeast Mold & Broth and Agar	Ampouled Media	2 ml	50	10 496 101
	Bottled Agar	100 ml	1	10 496 705
MI Broth and Agar	Ampouled Media	2 ml	50	10 496 191
	Bottled Broth	50 ml	1	10 496 851
	Bottled Agar	50 ml	1	10 496 847
M-TGE Total Count Media	Ampouled Media	2 ml	50	10 496 102
Pseudomonas	Ampouled Media	2 ml	50	10 496 119
Total Count Media with TTC	Ampouled Media	2 ml	50	10 496 113
	Petri Dishes with sterile pads	47 mm	100	10 498 544

* screw cap

** septa cap

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