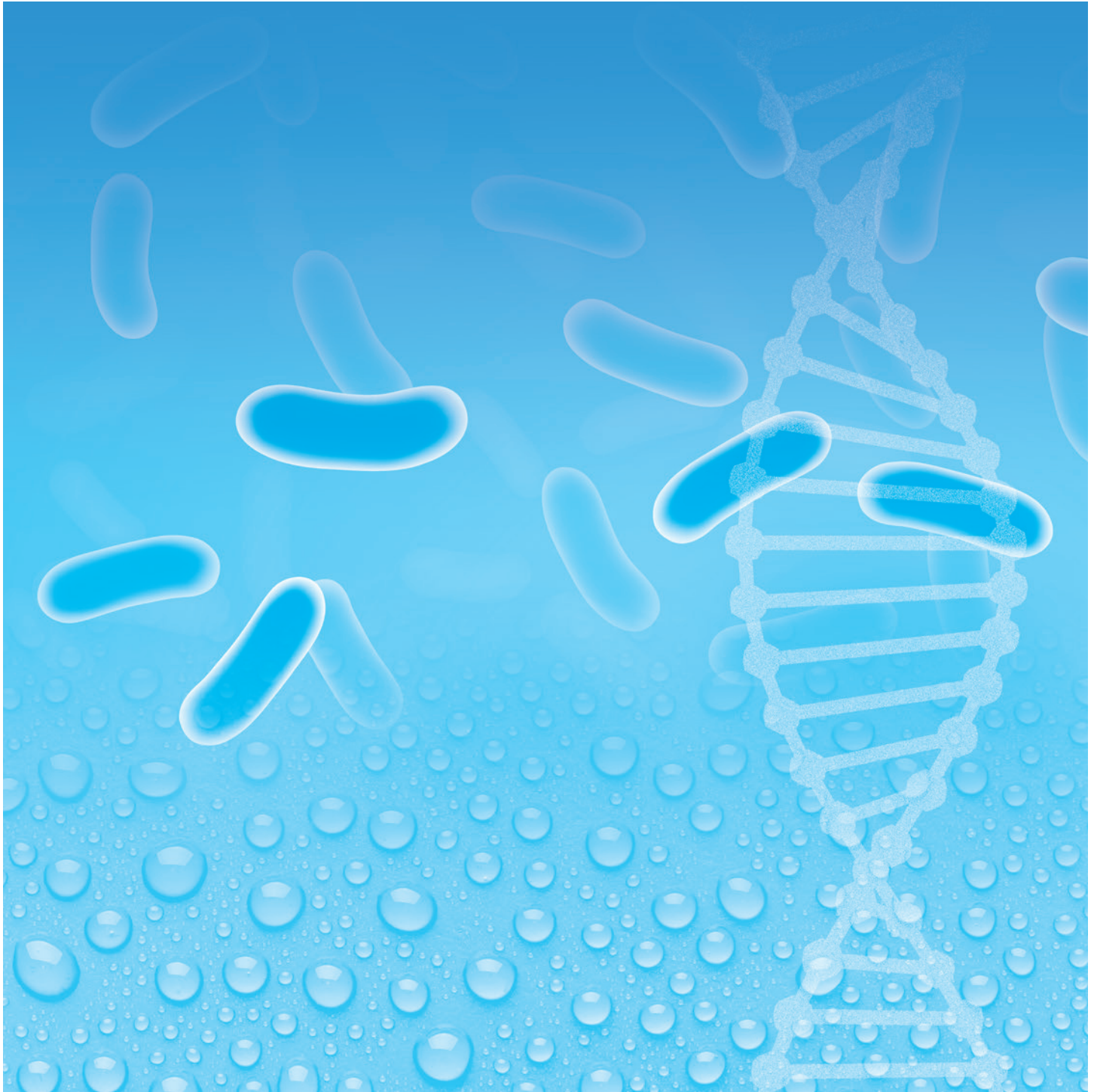


# Complete Solutions for Water Testing

Real-Time PCR Methods and Culture Media for Detection and Enumeration of Waterborne Pathogens and Quality Indicators

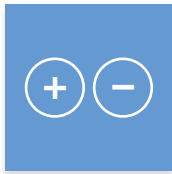


# Molecular Solutions for Water Testing



## Legionella

Developed with Bio-Rad's expertise in water microbiology, the iQ-Check™ water testing range is the only third-party validated solution for the detection and quantification of *Legionella* spp. and/or *Legionella pneumophila*.



Quickly screen samples



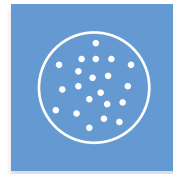
Results in hours, not days



The only third-party validated solution that includes management of free DNA



Protocols adapted to all types of water



Protocol for confirming colonies from standard method agars

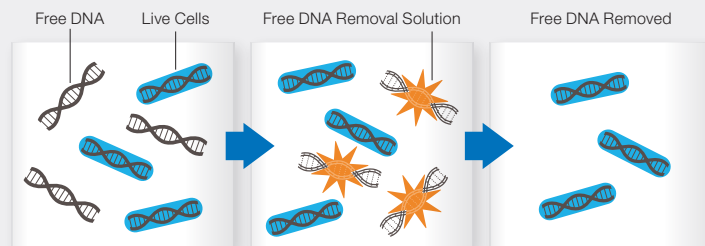


Maximum flexibility and automated analysis, including standard curve recall

## Free DNA Removal

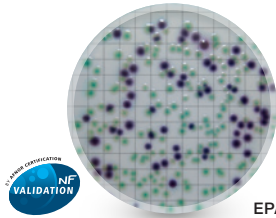
The iQ-Check Free DNA Removal Solution is a noncarcinogenic, safe way to remove free DNA from dead cells in water samples.

- Validated as part of the iQ-Check method
- Significantly reduces the occurrence of false-positive results
- Degrades free DNA by 2.5 logs without affecting DNA in living cells



# Microbiology Solutions for Water Testing

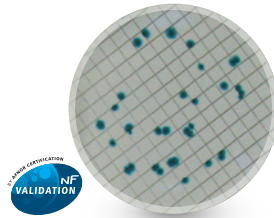
## Chromogenic Media



EPA validation

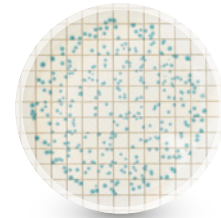
### RAPID'E.coli 2 Agar for Water Testing

- Complete results in 18–24 hr without confirmation
- Single plate for *Escherichia coli* + coliforms with excellent color contrast
- Alternative media to the ISO 9308 method



### RAPID'P.aeruginosa Agar

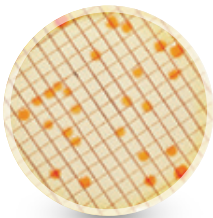
- Complete results in 22–30 hr without confirmation
- Selective for *Pseudomonas aeruginosa*
- Alternative media to the ISO 16266 method



### RAPID'Enterococcus Agar

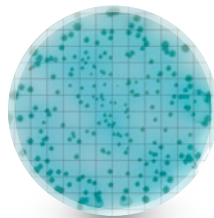
- Complete results in 40–48 hr without confirmation
- Highly specific for enterococci
- Alternative media to the ISO 7899-2:2000 method

## Standard Method Media



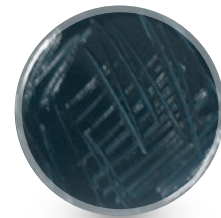
### E. coli/Coliforms

- TTC Tergitol 7 Agar can be used as part of ISO 9308-1:2000
- Bromocresol Purple (BCP) Lactose Broth and Brilliant Green Bile Lactose Broth (BGBLB) can be used as part of NF T90-413



### P. aeruginosa

- CN Agar can be used as part of ISO 16266
- Acetamide broth and King B Agar can be used for confirmation



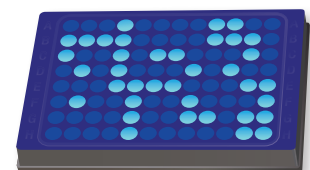
### Legionella

- GVPC and BCYE Agars can be used as part of ISO 11731 and NF T90-431
- BCYE Agar is available as individual or biplates, with and without L-cysteine

Visit [bio-rad.com/Water](http://bio-rad.com/Water) for a complete list of standard method media.

## Most Probable Number Methods

- MUG/EC Microplates for detection and enumeration of *E. coli* according to ISO 9308-3
- MUD/SF Microplates for detection and enumeration of enterococci according to ISO 7899-1
- Quality control accreditation in accordance with the ISO/IEC 17025 standard
- Instant calculation with interpretation and results exportable with Fluoplate™2 Software



**MUG/MUD Microplates.** Blue fluorescent wells under ultraviolet (UV) light indicate positive results.

## Ordering Information

| Catalog #             | Description  |
|-----------------------|--|
| <b>Standard Media</b> |  |
| 3554437               | Plate Count Agar (PCA) without Dextrose, 6 x 200 ml bottles                    |
| 3564474               | Plate Count Agar (PCA) without Dextrose, 500 g                                 |
| 3563706               | TTC Tergitol 7 Agar, Complete Medium, 10 x 55 mm plates                        |
| 3554687               | TTC Tergitol 7 Agar, Base Medium, 6 x 200 ml bottles                           |
| 3562632               | Tergitol 7 (0.2%) Supplement, 50 ml  |
| 3562652               | TTC (0.05%) Supplement, 50 ml  |
| 3564454               | TTC Tergitol 7 Agar, Base Medium, 500 g  |
| 3563884B              | Trypto-Casein-Soy Agar (TSA), 20 x 90 mm plates                                |
| 3564554               | Trypto-Casein-Soy Agar (TSA), 500 g  |
| 3553414               | Bromocresol Purple (BCP) Lactose Broth, 25 x 10 ml tubes                       |
| 3578024               | Brilliant Green Bile Lactose Broth (BGBLB), 25 tubes                           |
| 3555313               | Kovacs Reagent (for Indole Detection), 2 x 15 ml bottles                       |
| 3554194               | Tryptophan Broth, 25 x 3 ml tubes  |
| 3556034               | CN Agar (Water Testing), 6 x 200 ml bottles                                    |
| 3563915               | CN Agar (Water Testing), 10 x 55 mm plates                                     |
| 3564899               | CN Agar (Water Testing), 500 g   |
| 3554355               | Acetamide Broth, 25 x 5 ml tubes   |
| 12018502              | King B Agar, 25 x 7 ml tubes   |
| 3563994               | Bile Esculin Azide (BEA) Agar, 20 x 90 mm plates                               |
| 3564184               | Bile Esculin Azide (BEA) Agar, 500 g   |
| 3563716               | Slanetz and Bartley Agar, Complete Medium, 10 x 55 mm plates                   |
| 3563981               | Slanetz and Bartley Agar, Complete Medium, 100 x 55 mm plates                  |
| 3554819               | Slanetz and Bartley Agar, Base Medium, 6 x 100 ml bottles                      |
| 3564934               | Slanetz and Bartley Agar, Base Medium, 500 g                                   |
| 3562665               | TTC (0.2%) Supplement, 5 ml  |
| 3554419               | TSC without D-Cycloserine Agar, Base Medium, 6 x 100 ml bottles                |
| 3569644               | TSC without D-Cycloserine Agar, Base Medium, 500 g                             |
| 3569654               | Meat-Liver Sulfite Iron Agar, 500 g  |
| 3554777               | Meat-Liver Sulfite Iron Agar, 25 x 20 ml tubes                                 |
| 3564674               | Columbia Agar, 500 g   |
| 3564678               | Columbia Agar, 5 kg  |
| 3563717               | GVPC Agar, 20 x 90 mm plates   |
| 3563719               | GVPC Agar, 100 x 90 mm plates  |
| 3563718               | BCYE Biplat Agar, 20 x 90 mm plates  |
| 3563720               | BCYE with L-Cysteine Agar, 20 x 90 mm plates                                   |
| 3563722               | BCYE without L-Cysteine Agar, 20 x 90 mm plates                                |
| 3562795               | <i>Legionella pneumophila</i> and <i>Legionella</i> spp. Latex Kit             |
| <b>Microplates</b>    |  |
| 3554282               | Special Microplate Diluent (DSM) with Bromophenol Blue, 60 x 18 ml tubes       |
| 3554283               | Sterile Distilled Water (EDS) for Microplates, 60 x 18 ml tubes                |
| 3553784               | Special Microplate Diluent (DSM), 100 g  |
| 3553782               | MUG/EC Microplates for <i>E. coli</i> Testing, transparent, 25                 |
| 3553783               | MUD/SF Microplates for <i>Enterococcus</i> Testing, transparent, 25            |
| 3553785               | MUG/EC Microplates for <i>E. coli</i> Testing, opaque, 25                      |
| 3553786               | MUD/SF Microplates for <i>Enterococcus</i> Testing, opaque, 25                 |
| 1660500               | Long-Wave UV Lamp, 1 compact, portable lamp, (366 nm, requires 4 AA batteries) |
| 3550717               | Portable UV Observation Chamber without UV Lamp                                |
| 3550718               | Wood Lamp, for observation chamber   |
| 3591790               | Fluoplate2 Software  |

| Catalog #   | Description   |
|---|---|
| <b>RAPID<sup>®</sup> Chromogenic Media</b>          |   |
| 3563982   | RAPID <sup>®</sup> <i>E. coli</i> 2 Agar Plates for Water Testing, 20 x 55 mm plates                            |
| 3555297   | RAPID <sup>®</sup> <i>E. coli</i> 2 Agar, 6 x 200 ml bottles  |
| 12008041  | RAPID <sup>®</sup> <i>E. coli</i> 2 Supplement, lyophilized, 6 vials, sufficient for 6 x 200 ml agar            |
| 17005373  | RAPID <sup>®</sup> <i>E. coli</i> 2 Agar Kit for Water Testing, 6 vials lyophilized supplement, 6 x 200 ml agar |
| 3564024   | RAPID <sup>®</sup> <i>E. coli</i> 2 Agar, 500 g   |
| 3563984   | RAPID <sup>®</sup> <i>P. aeruginosa</i> Agar Plates for Water Testing, 20 x 55 mm plates                        |
| 3564900   | RAPID <sup>®</sup> <i>P. aeruginosa</i> Agar, 500 g   |
| 3554409   | RAPID <sup>®</sup> <i>Enterococcus</i> Agar, 6 x 100 ml bottles   |
| <b>Real-Time PCR Instrument, Kits, and Reagents</b> |   |
| 17007992  | CFX Opus 96 Real-Time PCR System  |
| 3578121   | Aquadien™ Bacterial DNA Extraction and Purification Kit, 96 tests   |
| 3594970   | iQ-Check Free DNA Removal Solution, lyophilized   |
| 3578119   | Aquadien W2 Wash Solution   |
| 3578125   | Aquadien Lysis Solution, 100 ml   |
| 12006823  | <i>Legionella</i> DNA Free Water, 1 L   |
| 3578102   | iQ-Check Quanti <i>Legionella</i> spp. Real-Time PCR Quantification Kit, 96 tests                               |
| 3578103   | iQ-Check Quanti <i>L. pneumophila</i> Real-Time PCR Quantification Kit, 96 tests                                |
| 3578104   | iQ-Check Screen <i>Legionella</i> spp. Real-Time PCR Detection Kit, 96 tests                                    |
| 3578105   | iQ-Check Screen <i>L. pneumophila</i> Real-Time PCR Detection Kit, 96 tests                                     |

### ISO/IEC 17025 Certification

ISO/IEC 17025 certification enables solution manufacturers and user laboratories the ability to demonstrate that they operate competently and use reliable and valid products for reliable and valid results. The accreditation of the Bio-Rad culture media manufacturing facility and quality control laboratory was performed by Cofrac (French Accreditation Committee), an impartial, independent third-party auditor, following strict requirements according to the ISO/IEC 17025 standard. Certificate N°1-6642.



For products used in water testing, refer to the Water Safety and Quality Reference Guide ([bulletin 17932](#)).

Visit [bio-rad.com/Water](https://www.bio-rad.com/Water) to find out more about our products used in water testing.

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