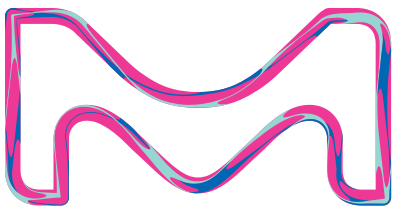


# Convenient Media Solutions

For food and water testing



The life science business  
of Merck KGaA, Darmstadt,  
Germany operates as  
MilliporeSigma in the  
U.S. and Canada.

**Millipore®**

Preparation, Separation,  
Filtration & Monitoring Products

# Convenient Media Solutions

With the industry frequently facing new guidelines, staying up-to-date with regulatory requirements becomes more and more challenging. The latest and most important change is the new EN ISO 11133:2014 – a quality standard for the preparation and quality control of culture media used for food and water testing. Using our culture media can ease your compliance worries and keep you one step ahead in the microbial testing process.

## Ready-to-Use Media for Food Microbiological Testing

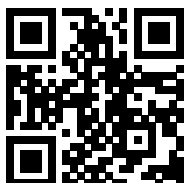
### Prepared Media for Guaranteed Compliance

#### ReadyPlate™ agar plates

For isolation and enumeration of pathogens and indicator organisms, our ReadyPlate™ pre-prepared agar plates are certified to be fully compliant with EN ISO 11133:2014, as well as with individual standards, and are quality controlled by ISO/IEC 17025:2005 accredited laboratories. Each plate is provided with a label including a data matrix code for paperless plate identification.

- Easy visibility of compliance on product label and Certificate of Analysis
- No time-consuming preparation
- High reproducibility with low error rate
- Long shelf life: 4-6 months
- Released through ISO 17025 accredited QC lab for reduced incoming quality control tests

For more information, visit  
[SigmaAldrich.com/RTUmedia](https://www.sigmaaldrich.com/RTUmedia)



#### Our range includes:

- ReadyPlate™ (90 mm plates) e.g. XLD agar, MYP, BPA, PEMBA etc.
- ReadyPlate™ CHROM (90 mm plates) Chromogenic media e.g. CCA, TBX and Listeria Agar



Cat. No.	Product Name	Product Type	Detection	Packaging unit or Quantity per Pack	Shelf life (days)	Storage conditions (°C)	Compliance Standard
<b>1460000020</b> <b>1460000120</b>	VRBG LI	90 mm Plate	<i>Enterobacteriaceae</i>	20 100	180	15 to 25	ISO 21528 Pharmacopeia
<b>1461610020</b> <b>1461610120</b>	ReadyPlate™ DG 18 agar ISO 21527	90 mm Plate	Yeast and Mold	20 100	120	15 to 25	ISO 21527
<b>1462360020</b> <b>1462360120</b>	ReadyPlate™ SDA ISO, FDA-BAM, EP + USP	90 mm Plate	Yeast and Mold	20 100	120	15 to 25	ISO FDA-BAM EP,USP
<b>1463210020</b>	Bile Esculin Azide Agar	90 mm Plate	<i>Enterococcus</i>	20	120	4 to 12	ISO 7899
<b>1463260020</b>	ReadyPlate™ CHROM TBX Agar ISO 16649	90 mm Plate	<i>Escherichia coli</i>	20	120	4 to 12	ISO 16649
<b>1463480020</b>	Yeast Glucose Chloramphenicol (YGC) Agar	90 mm Plate	Yeast and Mold	20	120	4 to 12	ISO 6611
<b>1464310020</b> <b>1464310100</b>	ReadyPlate™ TSA ISO, FDA-BAM, EP+USP	90 mm Plate	Total Count	20 100	120	4 to 12	ISO FDA-BAM EP,USP
<b>1466890020</b>	ReadyPlate™ CHROM CCA ISO 9308	90 mm Plate	Coliform, <i>E. coli</i>	20	120	15 to 25	ISO 9308- 1:2014
<b>1467170020</b>	ReadyPlate™ MRS Medium ISO 15214	90 mm Plate	<i>Lactobacillus spp.</i>	20	120	4 to 12	ISO 15214
<b>1467180020</b>	ReadyPlate™ TCBS Agar ISO 21872	90 mm Plate	Vibrio	20	120	4 to 12	ISO 21872
<b>1467190020</b> <b>1467190100</b>	Rambach Agar	90 mm Plate	<i>Salmonella</i>	20 100	120	4 to 12	ISO 6579
<b>1467510020</b>	ReadyPlate™ XLD Agar ISO 6579	90 mm Plate	<i>Salmonella</i>	20	120	15 to 25	ISO 6579 ISO 19250

Please contact us for product availability.

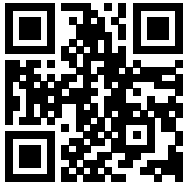
## ReadyTube® media

Discover ready-to-use media in tubes and bottles for isolation, enumeration or enrichment of microorganisms in food. Our ReadyTube® bottles and tubes are fully compliant with EN ISO 11133:2014 and as well as with individual standards, and are quality controlled by ISO/IEC 17025:2005 accredited laboratories to ensure compliance.

Our clear naming convention where the number indicates the volume in mL of media contained in each bottle or tube (e.g. ReadyTube® 200 media for each bottle in the pack contains 200 mL of media) makes it simple.

- Easy visibility of compliance on product label and Certificate of Analysis
- Safe testing with maximum convenience
- No time-consuming preparation
- High reproducibility with a low error rate
- Long shelf life of 6-12 months
- Released through ISO 17025 accredited QC lab for reduced incoming quality control tests

For more information, visit  
[SigmaAldrich.com/RTUmedia](https://www.sigmaaldrich.com/RTUmedia)



Cat. No.	Product Name	Product Type	Detection	Packaging unit or Quantity per Pack	Filling Volume	Shelf life (days)	Storage conditions (°C)	Compliance Standard
<b>1461420020</b> <b>1461420100</b>	ReadyTube® 9 BPW ISO 6579, 6887, 21528	Tubes	as Diluent, Total Count, <i>Salmonella</i> , <i>Listeria</i>	20 100	9 mL	300	2 to 25	ISO 6579 ISO 6887 ISO 21528 ISO 19250 FDA-BAM EP
<b>1463640006</b>	ReadyTube® 200 MRS Agar ISO 15214	Bottles	<i>Lactobacillus spp.</i>	6	200 mL	360	2 to 25	ISO 15214
<b>1463650006</b>	Plate Count Agar	Bottles	Total Count	6	200 mL	360	2 to 25	FDA-BAM APHA
<b>1464030006</b> <b>1464040006</b>	ReadyTube® 1000 ReadyTube® 225 BPW ISO 6579, 6887, 21528	Bottles	as Diluent, Total Count, <i>Salmonella</i> , <i>Listeria</i>	6	1000 mL 225 mL	360	2 to 25	ISO 6579 ISO 6887 ISO 21528 ISO 19250 FDA-BAM EP
<b>1464050006</b>	Milk Plate Count Agar	Bottles	Total Count	6	200 mL	360	2 to 25	APHA
<b>1464230006</b>	ReadyTube® 200 VRBL Agar ISO 4832	Bottles	Colliforms	6	200 mL	360	2 to 25	ISO 4832 FDA-BAM
<b>1464350006</b>	ReadyTube® 200 VRBG Agar ISO 21528	Bottles	<i>Enterobacteriaceae</i>	6	200 mL	360	2 to 25	ISO 21528
<b>1466220100</b>	ReadyTube® 12 MSRV Medium ISO 6579	Tubes	<i>Salmonella</i>	100	12 mL	240	4 to 12	ISO 6579
<b>1464650006</b>	Yeast Glucose Chloramphenicol (YGC) Agar	Bottles	Yeast and Mold	6	200 mL	360	2 to 25	ISO 6611
<b>1466940020</b>	ReadyTube® 10 RVS Broth ISO 6579	Tubes	<i>Salmonella</i>	20	10 mL	240	2 to 25	ISO 6579 ISO 19250

Please contact us for product availability.

## Ready-to-Use Media for Microbiological Testing of Liquid Samples

### Small but Mighty

#### Great convenience on a small scale with ReadyPlate™ 55 plates and the ReadyPlate™ 55 KIT

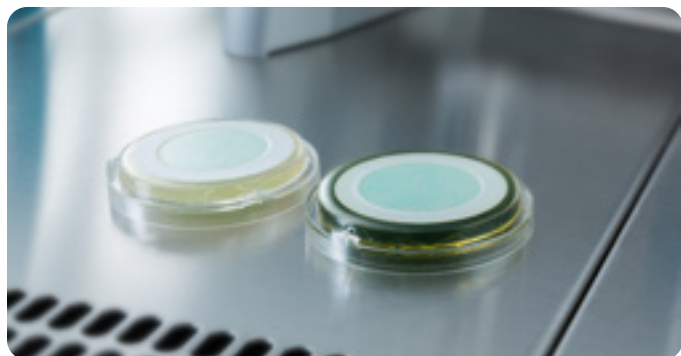
Microbiological testing of filterable samples is an important part of the QC workflow in the beverage and drinking water industry; it only takes a single microorganism to cause contamination in production that could lead to product recall and brand damage.

The new compact ready-to-use ReadyPlate™ 55 agar plate frees up valuable incubator and storage space while also reducing waste. When used in combination with EZ-Pak® membranes, perfect contact between the media and membrane filter is guaranteed, giving highly accurate and quantitative results.

The plates are filled to the top for convenient handling, allowing easy manipulation of the membrane filter to reduce the risk of handling mistakes and false positive results. In addition, the lockable and stackable design means that cross contamination is nearly impossible.

- Easy, reproducible membrane filter placement as a result of the high-level filling of the agar plate.
- Intelligent design for better stacking and safer transport.
- Enhanced flexibility through storage at room temperature long shelf life (6-9 months).
- Compliant with EN ISO 11133:2014 and individual media standards.
- Released through ISO 17025 accredited QC lab for reduced incoming quality control tests.
- Streamline your bioburden workflow by using ReadyPlate™ 55 in combination with EZ Family.

For more information, visit [SigmaAldrich.com/Readyplate55](http://SigmaAldrich.com/Readyplate55)



#### 55 mm plates for the detection and enumeration of pathogens and indicator organisms:

Cat. No.	Product Name	Product Type	Detection	Packaging unit or Quantity per Pack	Shelf life (days)	Storage conditions (°C)	Compliance Standard
1467570020 1467570200	ReadyPlate™ 55 CCA ISO 9308	55 mm plates	Coliforms, E.coli, Membrane Filtration method	20 200	270	15-25	ISO 9308-1:2014
1467580150	ReadyPlate™ 55 KIT CCA ISO 9308	55 mm plates with Membrane Filters	Coliforms, E.coli, Membrane Filtration method	Kit (150 membrane Filter and 150 plates)	270	15-25	ISO 9308-1:2014
1467650020	ReadyPlate™ 55 Slanetz&Bartley ISO 7899	55 mm plates	<i>Enterococcus</i> , Membrane Filtration Method	20	120	15-25	ISO 7899 APHA
1467660150	ReadyPlate™ 55 KIT Slanetz & Bartley ISO 7899	55 mm plates with Membrane Filters	<i>Enterococcus</i> , Membrane Filtration Method	Kit (150 membrane Filter and 150 plates)	120	15-25	ISO 7899 APHA

Please contact us for product availability.

Cat. No.	Product Name	Product Type	Detection	Packaging unit or Quantity per Pack	Shelf life (days)	Storage conditions (°C)	Compliance Standard
1467610020	ReadyPlate™ 55 TGE Agar	55 mm plates	Total Count Membrane Filtration Method	20	270	15-25	APHA
1467620150	ReadyPlate™ 55 KIT TGE Agar	55 mm plates with Membrane Filters	Total Count Membrane Filtration Method	Kit (150 membrane Filter and 150 plates)	270	15-25	APHA ISO 11133:2014
1467630020	ReadyPlate™ 55 Plate Count Agar	55 mm plates	Total Count Membrane Filtration Method	20	270	15-25	APHA ISO 11133:2014
1467640150	ReadyPlate™ 55 KIT	55 mm plates with Membrane Filters	Total Count Membrane Filtration Method	Kit (150 membrane Filter and 150 plates)	270	15-25	APHA ISO 11133:2014
1467670020	ReadyPlate™ 55 CN Agar ISO 16266	55 mm plates	<i>Pseudomonas</i> , Membrane Filtration Method	20	270	15-25	ISO 16266 ISO 11133:2014
1467680150	ReadyPlate™ 55 KIT CN Agar ISO 16266	55 mm plates with Membrane Filters	<i>Pseudomonas</i> , Membrane Filtration Method	Kit (150 membrane Filter and 150 plates)	270	15-25	ISO 16266 ISO 11133:2014
1467690020	ReadyPlate™ 55 m-Green Agar	55 mm plates	Yeast and Molds, Membrane Filtration Method	20	270	15-25	ISO 11133:2014
1467700150	ReadyPlate™ 55 KIT m-Green Agar	55 mm plates with Membrane Filters	Yeast and Molds, Membrane Filtration Method	Kit (150 membrane Filter and 150 plates)	270	15-25	ISO 11133:2014

Please contact us for product availability.

## Convenient and Rapid Microbiological Testing

### Color-Coded MC-Media Pad®

#### Pick the right one at a glance

The MC-Media Pad® is designed for convenient and rapid indicator organism testing of your food and beverage products. The pads are coated with a growth medium and chromogenic substrates for specific detection allowing faster results and improved read-outs.

When the sample is applied the liquid spreads evenly on the pad by capillary action. No additional working steps are required, improving the workflow and reducing the risk of contamination. The transparent cover film can be easily opened and closed with one hand, and the color coding ensures that you can always pick the right one at a glance.

- Compliant with international food & beverage regulations
- Reduce waste and save space
- Reliable and fast results
- Easy to use—fewer handling steps than traditional methods

MC-Media Pad® complies with international standards (AOAC-PTM, AOAC-OMA, MicroVal) and are quality controlled with strain selection according to ISO 11133.

Accurate microbiology results are highly reliant upon the quality of your sample preparation. Try our new enrichment sample homogenizer (ESH) for efficient solid food sample preparation, and we also offer the automatic gravimetric systems, DiluCult™ and DiluCult™ 2, which can help you to streamline your enrichment sample dilution workflow.

For more information, visit [SigmaAldrich.com/MC-MediaPad](http://SigmaAldrich.com/MC-MediaPad)



Cat. No.	Product Name	Product Type	Packaging unit or Quantity per Pack	Microorganism detected	Shelf life (days)	Storage conditions (°C)	Compliance standard
1323560001	MC-Media Pad® Coliform	Convenient Media Pad	100	Coliforms	1080	2-15°C	AOAC 100402,
1323570001	MC-Media Pad® E.coli & Coliform	Convenient Media Pad	100	E.coli & Coliforms	1080	2-15°C	AOAC 070901,
1323580001	MC-Media Pad® Staphylococcus aureus	Convenient Media Pad	100	<i>Staphylococcus aureus</i>	360	2-15°C	AOAC 051704, MicroVal cert. no. 2016LR56
1323590001	MC-Media Pad® Rapid Aerobic Count	Convenient Media Pad	100	Aerobic bacteria	720	2-15°C	AOAC 091702, MicroVal cert. no. 2015LR52,
1323600001	MC-Media Pad® Yeast & Mould	Convenient Media Pad	100	Yeast and Mold	720	2-15°C	AOAC 111401, MicroVal cert. no. 2015LR51,

Please contact us for product availability.

## Solutions for Special Matrices

### SimPlate® test

Even for very complex matrices, testing can be simple using SimPlate® test, which provides rapid, easy to interpret results even with food and environmental matrices that are challenging for other rapid methods.

**Rapid Enumeration:** Our proprietary Binary Detection Technology® represents the latest technological advancement in counting techniques for the food industry.

**Easy-to-Read Results:** Positive and negative counts are read visually, without the need for subjective interpretation, which provides consistency across users, for reproducible results.

**Reduced Testing Costs:** Validated to provide equivalent results with just a single plate without the need for duplication. Combining this with the reduction of necessary sample dilutions — made possible by the broad counting range of the plate (1-738) — reduces the number of tests required for each sample.

SimPlate® tests have been validated by international standards (AOAC/MicroVal) and are available for:

- *Enterobacteriaceae*
- Total Plate Counts
- Coliforms & *E. coli*
- Yeasts & Molds
- *Campylobacter*



For more information, visit [SigmaAldrich.com/Alternative-Media](https://www.SigmaAldrich.com/Alternative-Media)





Cat. No.	Product Name	Product Type	Packaging unit or Quantity per Pack	Microorganism detected	Shelf life (days)	Storage conditions (°C)	Compliance standard
66006-100	SimPlate® Campylobacter Color Indicator (C-CI)	"single test" vials	100	<i>Campylobacter</i>	540	15 to 25	
66008-100	SimPlate® Total Coliform and E.coli Color Indicator (CEC-CI)	"single test" vials	100	Coliform, E.coli	540	15 to 25	AOAC OMA 2005.03
66008-500	SimPlate® Total Coliform and E.coli Color Indicator (CEC-CI)	"multiple test" vials	500	Coliform, E.coli	540	15 to 25	AOAC OMA 2005.03
66005-100	SimPlate® Total Coliform and E.coli (CEC)	"single test" vials	100	Coliform, E.coli	540	15 to 25	N/A
66005-500	SimPlate® Total Coliform and E.coli (CEC)	"multiple test" vials	500	Coliform, E.coli	540	15 to 25	N/A
66009-100	SimPlate® Enterobacteriaceae Color Indicator (Entero-CI)	"single test" vials	100	Enterobacteriaceae	540	15 to 25	N/A
66009-500	SimPlate® Enterobacteriaceae Color Indicator (Entero-CI)	"multiple test" vials	500	Enterobacteriaceae	540	15 to 25	N/A
66003-100	SimPlate® Total Plate Count (TPC)	"single test" vials	100	Total Viable Count	540	15 to 25	AOAC PTM 970301
66003-500	SimPlate® Total Plate Count (TPC)	"multiple test" vials	500	Total Viable Count	540	15 to 25	AOAC PTM 970301
66007-100	SimPlate® Yeast and Mould Color Indicator (YM-CI)	"single test" vials	100	Yeast and Mold	540	15 to 25	AOAC OMA 2001.11, MicroVal Cert No. 2009LR25
66007-500	SimPlate® Yeast and Mould Color Indicator (YM-CI)	"multiple test" vials	500	Yeast and Mold	540	15 to 25	AOAC OMA 2001.11, MicroVal Cert No. 2009LR25
66004-100	SimPlate® Yeast and Mould (YM)	"single test" vials	100	Yeast and Mold	540	15 to 25	N/A
66004-500	SimPlate® Yeast and Mould (YM)	"multiple test" vials	500	Yeast and Mold	540	15 to 25	N/A
65009-20	SimPlate® 84 Well Plates	plates	20	N/A	1825	15 to 25	
63004-200	SimPlate® Supplement M	vials	200	N/A	1080	2 to 8	
63005-200	SimPlate® Supplement V	vials	200	N/A	1080	2 to 8	
63010-200	SimPlate® Supplement D	vials	200	N/A	1080	15 to 25	
63011-200	SimPlate® Supplement A	vials	200	N/A	1080	2 to 8	
63012-200	SimPlate® Supplement R	vials	200	N/A	450	2 to 8	

Please contact us for product availability.

## Globally Approved Alternative Methods

### ReadyCult® media—*E. coli*/Coliform and Enterococci Tests for Drinking Water

A better way to test for the presence or absence of enterococci or coliforms and *E. coli*. EPA approved (Total Coliform rule 40 CFR 141.21) our ReadyCult® Coliforms 100 gives fast easy-to-read color change from light yellow to blue-green for the coliforms and a light-blue fluorescence at 366nm for the *E. coli* reactions.

- Supplied in ready-to-use snap-pack format
- No media preparation required
- Simply add medium, incubate and read results

- Results within 18 to 24 hours
- Results 3-4 days earlier than with traditional methods
- Hands-on time is less than 1 minute
- Optional indole test can confirm presence of *E. coli* within 30 seconds

For more information, visit [SigmaAldrich.com/RTUM-Bev](http://SigmaAldrich.com/RTUM-Bev)



Cat. No.	Product Name	Product Type	Detection	Water sample size in mL	Packaging unit or Quantity per Pack	Shelf life (days)	Storage conditions (°C)	Compliance Standard
1012950001	ReadyCult® Coliforms 50	snap pack media	Coliform, <i>E.coli</i>	50	20	1095	15 to 25	EPA
1012980001	ReadyCult® Coliforms 100	snap pack media	Coliform, <i>E.coli</i>	100	20	1095	15 to 25	EPA
1012990001	ReadyCult® Enterococci 100	snap pack media	<i>Enterococcus</i>	100	20	1095	15 to 25	DIN
1132030001	Bactident® Indole (Kovacs reagent)	Dropper bottle	Optional confirmation <i>E. coli</i>		1 bottle (30 ml)			
1132030001	UV lamp				1			

Please contact your local Merck representative for product availability.

### Coli Complete® disc

Coli Complete® discs are a patented substrate supporting disc method containing both XGAL and MUG designed to simultaneously detect total coliform bacteria and *E. coli* in food products.

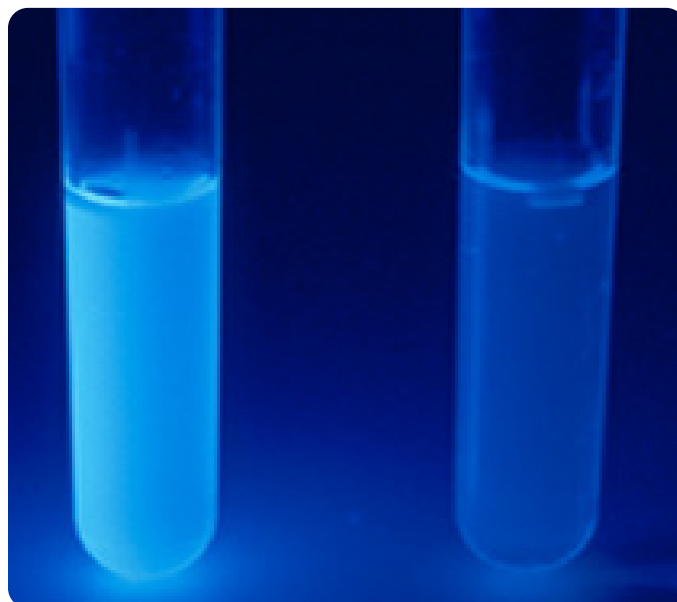
**Rapid Enumeration of Total Coliforms and *E. coli***  
Coli Complete® discs provide confirmed quantitative *E. coli* results in as little as 28 hours, and confirmed total coliform results in 48 hours.

#### Simple to Use

Just add the Coli Complete® disc to Lauryl Sulfate Broth (LST) tubes at the time of inoculation, then incubate and read results. For quantitative results, use the Most Probable Number (MPN) format. No transfers are necessary.

#### Reduced Testing Costs

Simultaneous detection of both *E. coli* and total Coliforms from a single test. Results are confirmed and require no subculturing.



Cat. No.	Product Name	Packaging unit or Quantity per Pack	Detection	Shelf life (days)	Storage conditions (°C)	Compliance standard
10800	Coli Complete® disc	100	Coliform, <i>E.coli</i>	540	2 to 8	AOAC OMA 992.30
10800-3K	Coli Complete® disc	3000	Coliform, <i>E.coli</i>	540	2 to 8	AOAC OMA 992.30

Please contact us for product availability.

## Conveniently Compliant

### We can help to guide you through the latest regulatory developments

In food, beverage, and municipal water industries, consumer safety is a major concern, and therefore increasingly stringent standards are required to avoid the potentially grave consequences of product contamination.

As a worldwide leading provider of industrial microbiology solutions, we can help to guide you through the latest regulations to give you that assurance you need.

Our laboratories which produce our ReadyPlate™, ReadyPlate™ 55 and ReadyTube® culture media have ISO/IEC-17025:2005 accreditation, issued by Germany's national accreditation body, which is the international standard in testing and calibration for laboratory quality systems, and ensures full

compliance of these products with the new mandatory standard ISO 11133:2014 concerning the preparation, production, storage and performance testing of culture media. ISO/IEC-17025:2005-certified culture media helps you to remain consistently compliant and accurate in your microbial testing of food and water samples.

Discover our full range of microbial testing solutions for your entire workflow, from sample preparation through to analysis, interpretation, and quality analysis.

**[SigmaAldrich.com/Food-Microbiology](http://SigmaAldrich.com/Food-Microbiology)**

For the latest updates, documentation, and webinars, take a look at our regulatory expertise center:  
**[SigmaAldrich.com/Food-Regulatory](http://SigmaAldrich.com/Food-Regulatory)**



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