



Simply get started!

Ready-to-Use culture media from Merck



Ready-to-Use culture media for every application

Merck offers Ready-to-Use culture media for all sorts of applications. On the following pages you will find an overview of our extended range of culture media – helping you to choose the right product for your needs.

In addition to this we feature "custom-made media" matching your needs. For more information visit www.microbiology.merck.de or send us an e-mail: mibio@merck.de

Tradition creates confidence

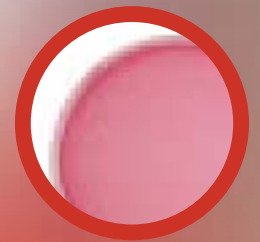
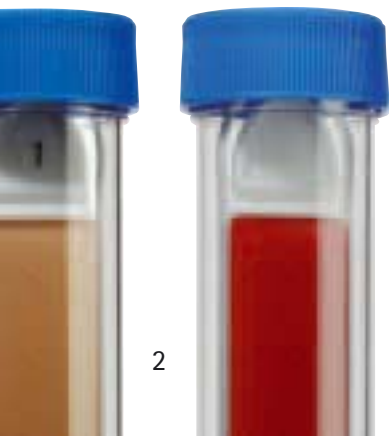
Merck looks back on 100 years of experience in the development and production of culture media. Already in 1878 Merck produced peptones that were mainly used as food additives. In 1885 Merck established a department for microbiology and started selling peptones, gelatines and culture media specifically suited for culturing micro-organisms. Only a few years later the industrial production of culture media was fully set up and running. Until Merck once again set new standards in the 1950's by being the first company to consider health aspects and, as a result, started to produce granulated culture media. Today, Merck is the only pharmaceutical company among the producers of culture media. And you can profit from this combination of innovation and experience.

Quality guarantees safety

Preparing culture media can be an error-prone process and therefore requires specially trained personnel. Merck Ready-to-Use culture media are produced by means of the latest technology and are subject to strict quality controls carried out by qualified microbiologists. Avoid unnecessary risks by taking advantage of the consistent, high quality of Merck Ready-to-Use culture media.

Ready-to-Use culture media can improve cost-effectiveness

Merck culture media-plates, slides, bottles and tubes are Ready-to-Use, thus eliminating the time consuming production process. Benefit from this potential saving of cost, of space, staff and equipment.



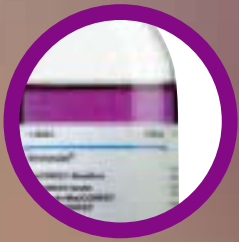
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Merckoplate®,
Chromoplate®
and Fluoroplate®

Pre-poured plates
for the Enumeration,
Isolation, Detection
and Cultivation



The complete range of Merck Ready-to-Use media



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Merckotube®
culture media
in bottles and tubes
for the Enumeration,
Isolation, Detection
and Cultivation



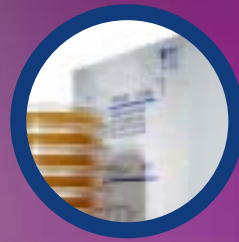
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Envirocheck®
Contact plates
for isolators
and clean rooms



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Envirocheck®
Settle plates
for isolators
and clean rooms



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Envirocheck®
Contact plates
for hygiene
monitoring of
surfaces



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Envirocheck®
Contact slides for
hygiene monitoring
of surfaces
and in liquids

Your benefits:

- + Ensure constant high quality
- + Save time and costs
- = Convenience you can count on!



Merckoplate[®], Chromoplate[®] and Fluoroplate[®]

Pre-poured plates for the Enumeration, Isolation, Detection and Cultivation

The Merckoplate[®], Chromoplate[®] and Fluoroplate[®] product range includes a full line of Pre-poured Media for a various range of different applications, e.g. enumeration, isolation, detection and cultivation of bacteria as well as yeast and moulds. The Pre-poured plates are packed in boxes of 20 plates, each box containing 4 sets of 5 shrink-wrapped plates. Alternatively, to reduce the amount of waste for customers with a high throughput of plates, we offer packages of 480 plates, each package containing 96 sets of 5 shrink-wrapped plates.

The majority of Pre-poured plates are stored at a temperature of < +15°C, although in order to minimize condensation the optimal storage temperature is +12°C to +15°C (Do not freeze!).

Product name, expiry date and lot number are imprinted on each Pre-poured plate for safe and easy product identification and shelf life monitoring.

Your advantages

- 90 mm diameter plates
- Direct identification, using the characteristic colony colouring on the plates (Chromoplate[®])
- 4 sets of 5 plates each
- 96 sets of 5 plates each



The identification of the enzyme activity is greatly simplified by the addition of chromogenic substrates to the culture medium. Then, a direct identification, using the characteristic colony colouring on the culture medium itself is possible without the application of further additives.

Fluoroplate® Pre-poured plates have the same components as the standard culture media and additionally the substrate MUG. They can therefore be used and evaluated in the usual way and provide the additional possibility of UV-light examination for E.coli colonies.

The complete range of Merckoplate®, Chromoplate® and Fluoroplate® Pre-poured plates

Enumeration and isolation of microorganisms

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
R2A-Agar	1.00073.0020	6	20	20
R2A-Agar*	1.00073.0480	6	20	480
DEV Nutrient Agar	1.00075.0020	6	18	20
Standard-I-Nutrient Agar with neutralizer	1.00417.0020	6	18	20
Standard-I-Nutrient Agar with neutralizer	1.00417.0480	6	18	480
Brolacin-Agar	1.10411.0001	6	18	20
Plate-Count-Agar	1.13108.0001	6	18	20
CASO (TSA) Agar	1.13499.0001	6	18	480
CASO (TSA) Agar	1.13582.0001	6	18	20
Sabouraud 4%-Glucose-Agar with neutralizer	1.18359.0001	2	20	20
CASO (TSA) Agar with neutralizer	1.18360.0001	6	18	20
CASO (TSA) Agar with neutralizer	1.18363.0001	6	18	480

* Media are only produced on special order.



Detection of Bacillus cereus

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Cereus-Selective Agar acc. to Mossel	1.00830.0020	5	18	20



Detection of Campylobacter

Campylobacter-Selective Agar	1.13579.0001	2	18	20
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Detection and enumeration of E.coli / Coliforms

Lactose TTC Agar with Tergitol® 7	1.00074.0020	6	18	20
Chromoplate® Coliform Agar	1.10156.0001	6	18	20
ENDO-Agar	1.15156.0001	3	18	20
VRBD-Agar	1.18351.0001	6	18	20

Detection and isolation of Enterococci

m-Enterococci Agar acc. to Slanetz	1.00076.0020	6	18	20
Bile-Aesculin-Azide Agar	1.00077.0020	4	18	20
CATC-Agar	1.00831.0020	4	18	20
Barnes-Agar	1.13576.0001	6	18	20

The item number and the expiry date are imprinted on every Merckoplate® culture media for safe and easy product identification and monitoring of shelf life.



Detection of Legionella

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Legionella BCYE-Agar	1.00097.0020	3	18	20
Legionella GVPC-Selective Agar	1.00098.0020	3	18	20

Detection of Listeria

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Chromoplate® Listeria Selective Agar acc. to Ottaviani and Agosti	1.00420.0020	3	18	20
	1.00420.0020	3	18	480

Detection of Pseudomonas

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Cetrimide-Agar	1.00851.0020	6	18	20

Detection of Staphylococcus aureus

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Mannitol-Salt-Phenolred-Agar	1.10749.0001	6	18	20
Baird-Parker-Agar	1.00881.0020	3	16	20

Detection of Salmonella

BPLS-Agar (USP)	1.00855.0020	6	18	20
BPLS-Agar modified*	1.00928.0020	4	18	20
MacConkey-Agar	1.10748.0001	6	18	20
MacConkey-Agar	1.15276.0001	6	18	480
Gassner-Agar	1.13580.0001	6	18	20
Rambach-Agar	1.13999.0001	6	18	20
Rambach-Agar	1.15999.0001	6	18	480
BPLS-Agar	1.15164.0001	6	18	20
Hektoen-Enter-Agar*	1.15171.0001	2	18	20
Leifson-Agar	1.15175.0020	3	18	20
Leifson-Agar	1.15175.0480	3	18	480
SS-Agar	1.15178.0001	3	18	20
XLD-Agar	1.15184.0001	3	18	20

* Media are only produced on special order.

Detection of Yersinia

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Yersinia-Selective Agar	1.13578.0001	5	18	20

Detection of yeasts and moulds

Wort Agar with neutralizer	1.00412.0020	6	20	20
Wort Agar with neutralizer	1.00412.0480	6	20	480
Dichloran-Glycerine (DG18)-Agar	1.00755.0020	7	20	20
Sabouraud 2%-Glucose-Agar	1.10413.0001	7	20	20
Sabouraud 2%-Glucose-Agar*	1.15504.0001	7	20	480
Sabouraud 2%-Glucose-Agar with neutralizer	1.18368.0020	4	20	20
Sabouraud 2%-Glucose-Agar with neutralizer*	1.18368.0480	4	20	480
Sabouraud 4%-Glucose-Agar	1.18358.0020	7	20	20
Sabouraud 4%-Glucose-Agar	1.18358.0480	7	20	480
Sabouraud 4%-Glucose-Agar with neutralizer	1.18364.0001	2	18	480
Standard I-Nutrient Agar	1.10416.0001	6	18	20
Maltextract-Agar with Chloramphenicol and Gentamycine	1.13423.0020	7	20	20
Maltextract-Agar with Chloramphenicol and Gentamycine	1.13423.0480	7	20	480
Maltextract-Agar	1.13573.0001	7	20	20

* Media are only produced on special order.

Detection of pathogenic yeasts and dermatophytes

Candida-Agar acc. to Nickerson	1.10412.0001	7	20	20
Fluoroplate® Candida Agar	1.11011.0001	6	18	20
Selective Agar for pathogenic fungi	1.10415.0001	6	20	20
Fungi-Agar acc. to Kimmig	1.10421.0001	7	20	20
Dermatophytes-Selective Agar	1.10422.0001	7	20	20
Rice Extract Agar	1.10424.0001	6	20	20

The stretch-wrapping of the culture media plates fits very closely.
It prevents external contamination and makes storage easier. Removing one of the culture media dishes will not contaminate the remaining Petri dishes in the pack.

Cultivation and isolation of fastidious microorganisms

Product	Ord. No.	Shelf life in month	Filling quantity in ml per plate	Plates per pack
Schaedler-Agar	1.13051.0001	2	18	20
Schaedler-KV-Agar	1.13575.0001	2	18	20
Blood-Agar	1.13414.0001	2	18	20
Blood-Agar	1.13421.0001	2	18	480
Chocolate Agar	1.15177.0001	5	18	20

Testing of sensitivity of microorganisms towards antibiotics

ASS-Agar	1.10410.0001	6	18	20
Mueller-Hinton-Agar	1.10414.0001	7	20	20
Mueller-Hinton-Agar	1.13405.0001	7	20	480
Mueller-Hinton-Agar with blood	1.13571.0001	2	18	20
Isotonic-Sensi-Agar	1.13574.0001	6	18	20

Examination of chemical components for toxic / cancerogenic properties

Minimal-Glucose-Agar for AMES test	1.15198.0001	6	20	20
Minimal-Glucose-Agar for AMES test	1.13496.0001	6	20	480

Merckotube® culture media in bottles and tubes

Culture media in bottles and tubes for the enumeration, isolation, detection and cultivation

The Merckotube® product range includes a full line of Ready-to-Use culture media in bottles and tubes for a broad range of applications, e.g. selective / non-selective enrichment, isolation, cultivation and enumeration – of bacteria as well as yeasts and moulds. The Merckotube® bottles are packed in boxes of 10 bottles, each with a filled volume of 100 ml, 200 ml or 225 ml respectively. The tubes are packed in boxes of 25 tubes each – with a filled volume of 9 ml or 10 ml respectively.

Merck KGaA has always taken great care to ensure that their products are of high quality and this, of course is also valid for the Merckotube® product line. As is usual for Merck's dehydrated culture media, for all Merckotube® products the required certificates e.g. CoA in line with ISO 11133 part 1 and 2, BSE certificate, etc. will be provided.

Your advantages

- 125 ml glass bottles, with a filled volume of 100 ml
- 250 ml glass bottles, with a filled volume of 200 ml or 225 ml, respectively
- Tamper proof screw caps
- 10 bottles per pack
- Glass tubes, with a filled volume of 9 ml or 10 ml, respectively
- Screw cap
- 25 tubes per pack



The complete range of Merckotube® culture media in bottles

Product	Ord.No.	Shelf life in month	Filling quantity in ml	Bottles/tubes per pack	Storage temperature
Chromocult® Coliform agar	1.18441.0010	12	200	10	+15°C to +25°C
Demi FRASER broth, all antibiotics included	1.18445.0010	6	225	10	+2°C to +8°C
Fluid thioglycollate medium	1.18426.0010	12	100	10	+15°C to +25°C
Lactose broth	1.18421.0010	12	100	10	+15°C to +25°C
Listeria Enrichment Broth (LEB), all antibiotics included	1.18448.0010	6	225	10	+2°C to +8°C
MacCONKEY broth	1.18422.0010	12	100	10	+15°C to +25°C
MOSSEL broth	1.18423.0010	12	100	10	+15°C to +25°C
MRS agar	1.18444.0010	12	200	10	+15°C to +25°C
Orange-serum agar	1.18432.0010	6	200	10	+15°C to +25°C
Peptone water (buffered)	1.18436.0010	12	225	10	+15°C to +25°C
Plate count agar	1.18433.0010	12	200	10	+15°C to +25°C
SABOURAUD 4% dextrose agar	1.18425.0010	12	200	10	+15°C to +25°C
Selenite cystine enrichment broth	1.18438.0010	7	100	10	+2°C to +8°C
Sodium chloride peptone broth (buffered)	1.18424.0010	12	100	10	+15°C to +25°C
Tryptic Soy Agar	1.18420.0010	12	200	10	+15°C to +25°C
Tryptic Soy Broth	1.18419.0010	12	100	10	+15°C to +25°C
VRB agar	1.18439.0010	12	200	10	+15°C to +25°C
VRBD agar	1.18440.0010	12	200	10	+15°C to +25°C
YGC agar	1.18443.0010	6	200	10	+15°C to +25°C

The complete range of Merckotube® culture media in tubes

Fluid thioglycollate medium	1.18431.0025	12	9	25	+15°C to +25°C
FRASER complete broth	1.18446.0025	6	10	25	+2°C to +8°C
Listeria Enrichment Broth (LEB), all antibiotics included	1.18447.0025	6	10	25	+2°C to +8°C
MKTTn broth	1.18450.0025	6	10	25	+2°C to +8°C
MOSSEL broth	1.18428.0025	12	10	25	+15°C to +25°C
RVS broth	1.18449.0025	12	10	25	+15°C to +25°C
Selenite cystine enrichment broth	1.18429.0025	7	10	25	+2°C to +8°C
TBG broth, modified	1.18430.0025	12	10	25	+15°C to +25°C
Tryptic Soy Broth	1.18427.0025	12	9	25	+15°C to +25°C



Envirocheck® Contact plates for isolators and clean rooms

Triple wrapped and gamma-irradiated contact plates for pharmaceutical industry

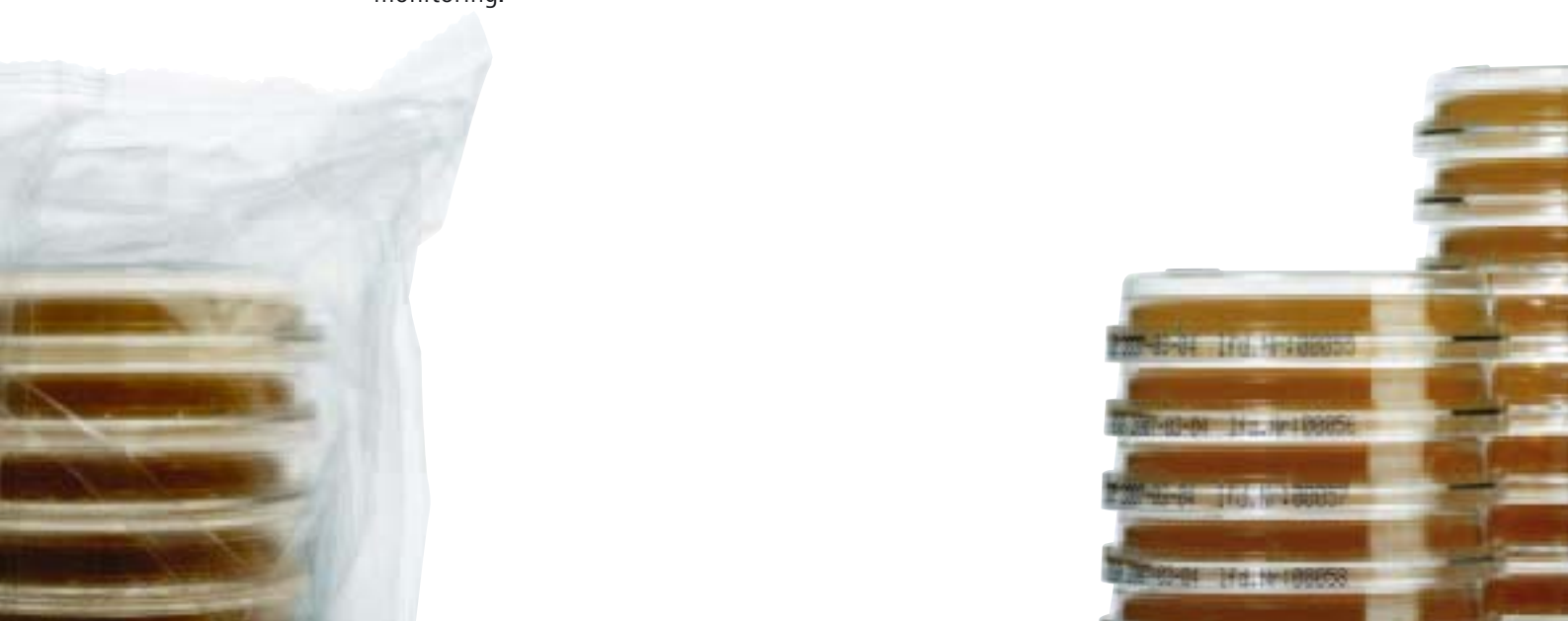
As a simple and efficient way to detect microbiological contaminations, **Envirocheck® Contact plates** are used to screen for bacteria, yeasts and moulds related to contaminations in the production process. The contact plates serve to examine surfaces in isolators and / or clean rooms.

In order to fulfil the requirements for protected areas, all **Envirocheck® Contact plates for isolators and clean rooms** are, **triple wrapped** and **gamma-irradiated**. The final packaging – the contact plates are packed in boxes of 2 x 10 plates, the inner bag is impermeable to H₂O₂ and includes a pouch containing a drying agent to minimize the formation of condensation water.

To inactivate any residual disinfectants on the surface to be tested, the **Envirocheck® Contact plates for isolators and clean rooms** additionally contain 4 neutralizing agents.

All plates are stored at room temperature (+15°C to +25°C), hence cooling capacities won't be blocked. Storage at site of application is possible.

Product name, expiry date, lot number and serial production number are imprinted on each **Envirocheck® Contact plate** for safe and easy product identification and shelf life monitoring.



The complete range of Envirocheck® Contact plates for isolators and clean rooms

Product	Ord. No.	Shelf life in month	Plates per pack
Tryptic Soy Agar with neutralizers (lecithin, polysorbate 80, histidine, thiosulfate)	1.18408.0020	9	20
SABOURAUD 4% dextrose agar with neutralizers (lecithin, polysorbate 80, histidine, thiosulfate)	1.18409.0020	6	20

Your advantages

- 55 mm diameter plates
- Gamma irradiated
- Triple wrapped – 2 sets of 10 plates each
- H₂O₂ - impermeable inner bag
- 4 neutralizers
- Reduced formation of condensation water
- Long incubation time possible
- Storage at +15°C to +25°C
- Long shelf life – up to 9 month



Envirocheck® Settle plates for isolators and clean rooms

Triple wrapped and gamma-irradiated settle plates for Active and Passive Air Sampling

There is increasing need for effective air monitoring in all areas where airborne microorganisms may contaminate or affect industrial products and processes. Air monitoring is therefore highly important in all industries, which do have clean room areas with filtered air. The **Envirocheck® Settle plates**, 90 mm diameter plates, can easily be used for **Active Air Sampling** in combination with the different **MAS-100® Microbial Air Monitoring Systems** (for further information concerning our Air Monitoring program, please refer to our brochure "MAS-100® Microbial Air Monitoring Systems", W286138). Of course, the settle plates can also be used for **Passive Air Sampling**,

To fulfil the requirements for protected areas the **Envirocheck® Settle plates** in their final packaging are triple wrapped and gamma-irradiated. The 90 mm settle plates are filled with 25 ml of media to avoid desiccation after active air sampling of 1000 litres and long incubation of up to 7 days for the detection of e.g. Yeast and Moulds. The settle plates are packed in boxes of 2 x 10 plates, the inner bag is impermeable to H₂O₂ and includes a pouch containing a drying agent to minimize the formation of condensation.

All plates are stored at **room temperature** (+15°C to +25°C), hence cooling capacities won't be blocked. Storage at site of application is possible.

Product name, expiry date, lot number and serial production number are imprinted on each **Envirocheck® Settle plate** for safe and easy product identification and shelf life monitoring.



The complete range of Envirocheck® Settle plates for isolators and clean rooms

Product	Ord. No.	Shelf life in month	Filling quantity in ml	Plates per pack
Tryptic Soy Agar with neutralizers (lecithin, polysorbate 80, histidine, thiosulfate)	1.18410.0020	9	25	20
SABOURAUD 4% dextrose agar with neutralizers (lecithin, polysorbate 80, histidine, thiosulfate)	1.18411.0020	6	25	20

Your advantages

- 90 mm diameter plates
- Gamma irradiated
- Triple wrapped – 2 sets of 10 plates each
- H₂O₂-impermeable inner bag
- 4 neutralizers
- Reduced formation of condensation water
- Long incubation time possible
- Storage at +15°C to +25°C
- 25 ml filling volume
- Long shelf life – up to 9 month



Envirocheck® Contact plates

for hygiene monitoring of surfaces

Single bagged contact plates for food and beverage industry

As a simple and efficient way to detect microbiological contaminations, **Envirocheck® Contact plates** are used to screen for bacteria, yeasts and moulds related to a contamination in the production process. The contact plates serve to examine surfaces e.g. floors, walls, textiles and working garment.

Envirocheck® Contact plates for hygiene monitoring of surfaces are, **single bagged**, packed in boxes of 2 x 10 plates.

All plates are stored at **room temperature** (+15°C to +25°C), hence cooling capacities won't be blocked. Storage at site of application is possible.

Product name, expiry date, lot number and serial production number are imprinted on each **Envirocheck® Contact plate** for safe and easy product identification and shelf life monitoring.

Your advantages

- 55mm diameter plates
- Single bagged – 2 sets of 10 plates each
- Storage at +15°C to +25°C
- Long shelf life – up to 9 month

The complete range of Envirocheck® Contact plates for hygiene monitoring of surfaces

Product	Ord. No.	Shelf life in month	Plates per pack
Plate count agar	1.18412.0020	9	20
BAIRD-PARKER agar	1.18413.0020	6	20
SABOURAUD 4% dextrose agar with chloramphenicol	1.18414.0020	9	20
MacCONKEY agar	1.18416.0020	6	20
VRB agar	1.18415.0020	6	20
VRBD agar	1.18417.0020	6	20



Envirocheck® Contact slides for hygiene monitoring of surfaces and in liquids

Contact slides for semi-quantitative results for 5 different parameters

Envirocheck® Contact slides are widely used to check critical control points (CCP's) within the HACCP (Hazardous Analytical Critical Control Points) for the microbiological hygiene control of surfaces in production lines and equipment. Additionally these slides can be used to check the microbiological hygiene status of liquids.



*The CULTURA® Mini-Incubator
for excellent results.*

The use of a variety of media on the contact slides allows the detection of organisms from liquids as well as from surfaces. These slides provide semi quantitative results for 5 different parameters. The easy incubation in the CULTURA® mini incubator brings flexible working environment by also reducing the necessary workspace.

The Envirocheck® Contact slides are easy to use, the flexible paddle allows sampling even in areas difficult to reach. Each agar paddle is safety protected against contamination before and after sampling because of the plastic tubes. The contact slides are packed in boxes of 10 slides, each slide is provided in a polycarbonate container sealed with blue screw cap.

All slides are stored at $< +15^{\circ}\text{C}$, although the optimal storage temperature is $+12^{\circ}\text{C}$ to $+15^{\circ}\text{C}$ (Do not freeze!) The expiry date is written on each box.

Your advantages

- Flexible agar paddle
- Easy to Use
- Protected against contamination
- Sampling even in areas difficult to reach
- Storage at $< +15^{\circ}\text{C}$

The complete range of Envirocheck® Contact slides for hygiene monitoring of surfaces and in liquids

Product	Ord. No.	Shelf life in month	Slides per pack
Contact DC For disinfectant control	1.02147.0001 side A: Tryptic soy agar side B: Tryptic soy agar with neutralizer	8	10
Contact TVC For Total Colony Counts	1.02149.0001 side A: Nutrient agar with TTC side B: Nutrient agar	8	10
Contact YM(R) For the detection of Yeasts and Moulds	1.02136.0001 side A: Tryptic soy agar with TTC side B: Rose Bengal Chloramphenicol agar (R)	6	10
Contact E For the detection of Enterobacteriaceae	1.02137.0001 side A: Plate count agar side B: VRBD agar	6	10
Contact C For the detection of Total coliforms / E.coli	1.02136.0001 side A: Plate count agar side B: Chromocult® Coliform agar	8	10



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and our products contact

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We provide information and advice to our customers to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

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