MERCK

PICK THE RIGHT ONE AT A GLANCE

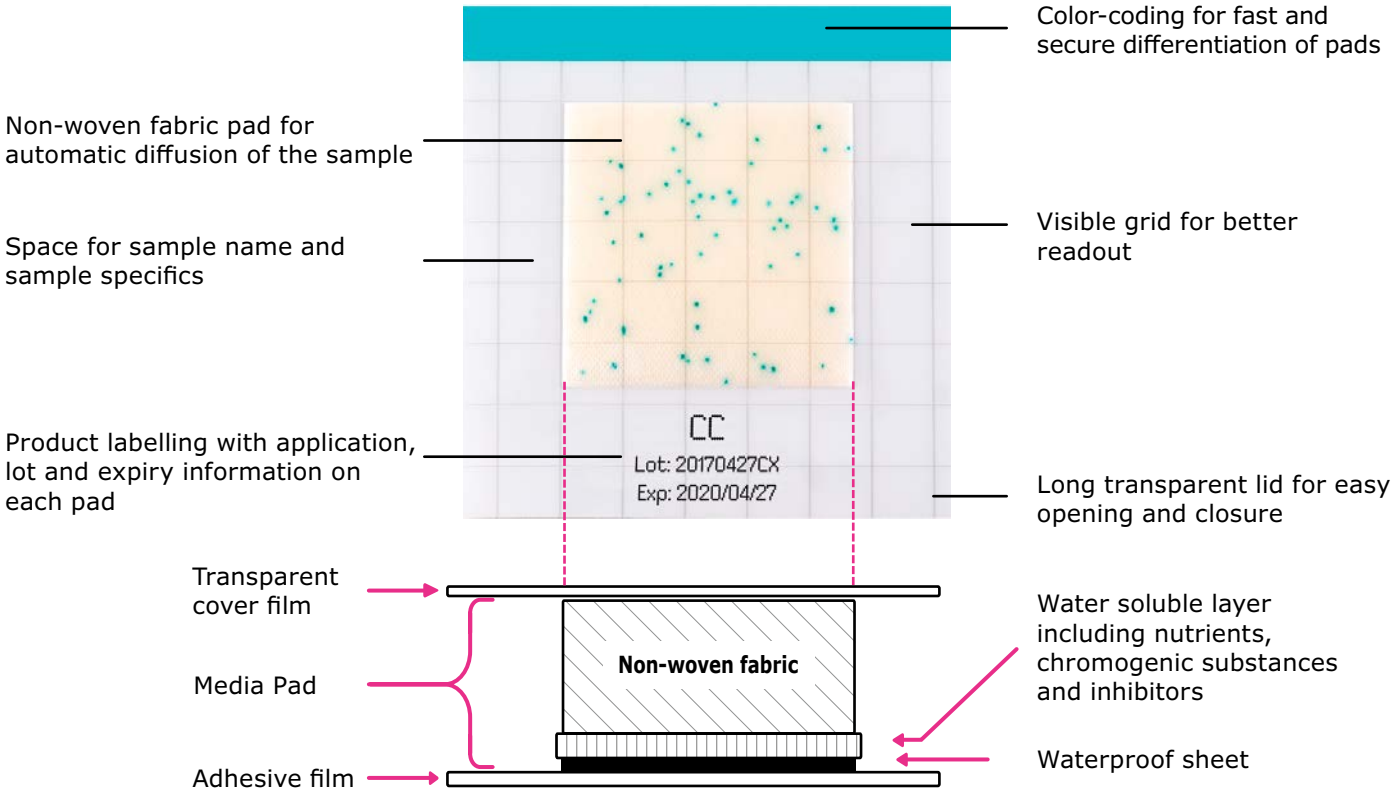
The new color-coded MC-Media Pad®

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

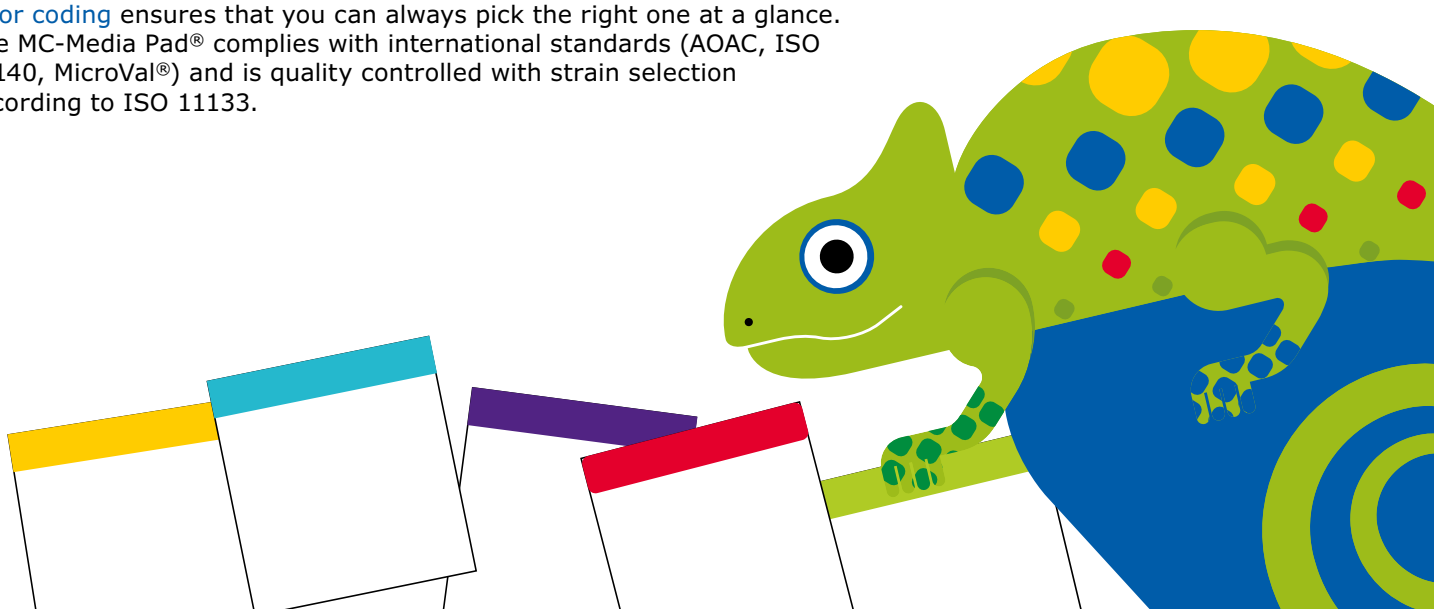
Millipore®

Preparation, Separation, Filtration & Monitoring Products

designed for your convenience.



The MC-Media Pad® is designed for convenient and rapid routine testing of microbial contaminations in your food and beverage products. The pads are coated with a growth medium and chromogenic substrates for specific detection allowing faster results and improved readout. 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.
The MC-Media Pad® complies with international standards (AOAC, ISO 16140, MicroVal®) and is quality controlled with strain selection according to ISO 11133.



Just pick the color you need.

The MC-Media Pad® portfolio offers a broad range of products for the main applications in the food and beverage industry. Use of chromogenic indicators leads to specific results and allows for better interpretation. Just incubate at 25 °C or 35 °C for 24–48 hours to detect dedicated contaminants.

Rapid Aerobic Count

Incubation:
- 30 °C, 72 hours
- 35 °C, 24–48 hours

Readout: All grown colonies develop reddish color. Regardless of strength of color, all grown colonies should be counted.

Short time to result

Coliform

Incubation: 35 °C, 24 hours

Readout: Coliforms produce blue/blue-green colored colonies due to β-galactosidase production. Gram-negative non-coliform bacteria form colorless colonies. Regardless of strength of color, all blue/blue-green colored colonies should be counted.

Easy readout thanks to blue colored colonies

E.coli and Coliform

Incubation: 35 °C, 24 hours

Readout: Coliform bacteria form blue/blue-green colored colonies due to β-galactosidase production, whereas *E. coli* will produce navy to purple colored colonies due to specific β-glucuronidase. Gram-negative non-coliform bacteria forms colorless colonies. Regardless of strength of color, all colored (blue/blue-green and purple/navy) colonies can be determined as total coliform. Only purple to navy colored colonies should be counted as *E. coli*.

Chromogenic approach: easy differentiation between *E.coli* and Coliform colonies & no gas formation required

Yeast & Mold

Incubation: 25 °C, 48 hours

Readout: All grown colonies will develop a reddish color. Regardless of strength of color, all grown colonies should be counted. Yeast and Mold can be easily distinguished by their different morphologies. Yeasts will appear as circular reddish colored colonies, whereas mold colonies are also round and reddish in color, but will appear more diffuse with fuzzy edges.

Time to result for various matrices in 48 hours, appropriate sample area to avoid spreading of the molds and ensure valid readout

Staphylococcus aureus

Incubation: 35 °C, 24 hours

Readout: *S. aureus* form circular light blue/blue colored colonies. Even though other bacteria are inhibited strongly, some bacteria (especially Bacillus species) can form gray/black colored colonies.

Comfirmation test can be easily performed, e.g. with a coagulase test

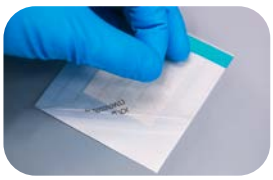
Ordering Information

Name	Description	International Standards	Color Code	Quantity	Order Number
MC-Media Pad® Rapid Aerobic Count	Convenient culture media for rapid enumeration of aerobic microbial contamination	• AOAC® Performance Tested℠, cert.-no. 091702 • ISO 16140 Certification, MicroVal® cert.-no. 2015LR52 • QC strain selection acc. to ISO 11133		100 Pads	**1.32359.0001**
MC-Media Pad® Coliform	Convenient culture media for enumeration of coliform bacteria	• AOAC® Performance Tested℠, cert.-no. 100402 • QC strain selection acc. to ISO 11133		100 Pads	**1.32356.0001**
MC-Media Pad® E. coli & Coliform	Convenient culture media for simultaneous enumeration of *Escherichia coli* and coliform bacteria	• AOAC® Performance Tested℠, cert.-no. 070901		100 Pads	**1.32357.0001**
MC-Media Pad® Yeast & Mold	Convenient culture media for enumeration of total yeast and mold count	• AOAC® Performance Tested℠, cert.-no. 111401 AOAC® Official Method of Analysis, no. AOAC 2018.02 • ISO 16140 Certification, MicroVal® cert. no. 2015LR5 • QC strain selection acc. to ISO 11133		100 Pads	**1.32360.0001**
MC-Media Pad® Staph. aureus	Convenient culture media for enumeration of *Staphylococcus aureus*	• AOAC® Performance Tested℠, cert.-no. 051704 • ISO 16140 Certification, MicroVal® cert. no. 2016LR56		100 Pads	**1.32358.0001**
Optional Accessories					
Enrichment Sample Homogenizer ESH	Paddle Homogenizer, Maximum volume of food sample: 400 mL				**5.42765.0001**

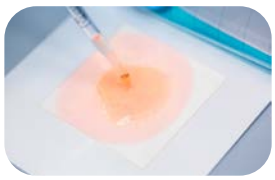
Enjoy the benefits of a ready-to-use Method.

Why stick to traditional media plates if there is an alternative available which can improve your workflow, while providing accurate and reliable results? The MC-Media Pad® is ready-to-use and provides additional features for your cost-efficiency:

- Save space in your fridge and incubator
- Go green & gain: reduce your environmental impact
- Improve your inventory management with a shelf-life of up to 36 months
- Comply with regulations
- No spreading device required
- Simplify your workflow:

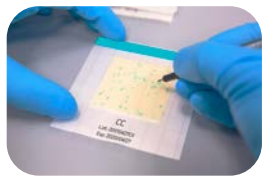


Open the cover film diagonally, then inoculate sample to center of the pad.



After inoculation, sample will diffuse automatically into the whole pad.

Close the cover film and incubate according to application conditions.



Count.

Workflow example with MC-Media Pad® Coliform

Millipore®

Preparation, Separation,
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SigmaAldrich.com/MC-MediaPad

For further information, please visit **SigmaAldrich.com/MC-MediaPad**

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