POLY SCIENTIFIC

MERCK

# PICK THE RIGHT ONE AT A GLANCE

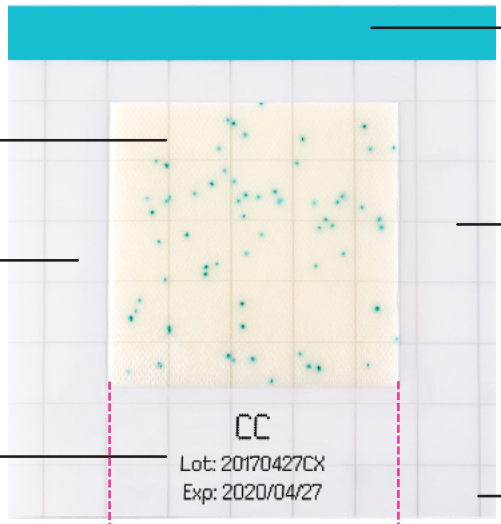
The new color-coded MC-Media Pads.


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

Millipore®

Preparation, Separation, Filtration & Testing Products

# DESIGNED FOR YOUR CONVENIENCE.




Color-coding for fast and secure differentiation of pads

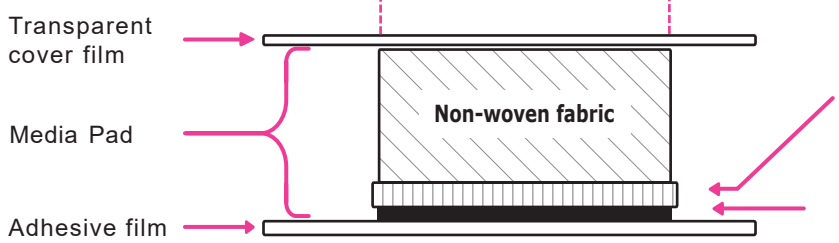
Non-woven fabric pad for automatic diffusion of the sample

Visible grid for better readout

Space for sample name and sample specifics

Product labelling with application, lot and expiry information on each pad

Long transparent lid for easy opening and closure




Transparent cover film

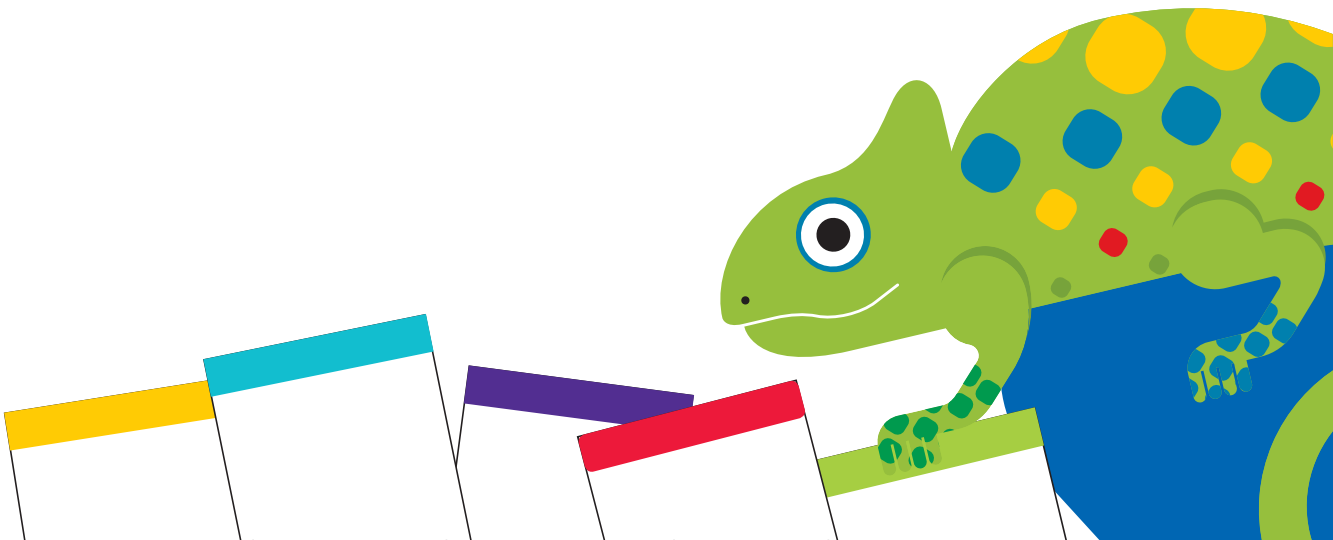
Media Pad

Adhesive film

Water soluble layer including nutrients, chromogenic substances and inhibitors

Waterproof sheet

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.
MC-Media Pads comply with international standards (AOAC, MicroVal) and are quality controlled with strain selection according to ISO 11133.



# J UST 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: 35 °C, 24 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 indigo 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 coagulation test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