

## Technical Data Sheet

### MC-Media Pad® Rapid Aerobic Count

Ordering number: 1.32359.0001

#### General

The MC-Media Pad® is a pre-sterilized, ready-to-use dry culture device, simplifying testing and minimizing the quantity of waste.

#### Mode of Action

The MC-Media Pad® is composed of a unique adhesive sheet, a test pad coated with medium and water absorption polymer, and a transparent cover film.

The MC-Media Pad® is coated with selective medium and chromogenic substrate for specific detection. Once the liquid sample is inoculated onto the test pad, the sample diffuses through the whole pad by capillary action. The medium re-constitutes automatically.

#### Certification

AOAC Performance Tested Method<sup>SM</sup> study (Certificate number 091702)

AOAC Official Methods of Analysis 2019.02

Microval Cer.No. 2015LR52

#### Application of Use

1. Open the aluminum bag, and remove the MC-Media Pad®.  
If necessary, write information on the cover film.
2. Lift the transparent cover film and pipette 1.0 mL of sample solution onto test pad.  
(It is recommended to lift the cover film diagonally for easy and secure re-sealing.)
3. Close the cover film and lightly press the edges of film to seal.
4. Incubate test plate at 35 ±1 °C for 24 ±2 hours.
5. Re-seal the opened bags and store at 2–15 °C for up to 4 weeks.

#### Interpretation

Count all reddish colored colonies

## Storage and Shelf Life

The product can be used for tests until the expiry date if stored upright, protected from light and properly sealed at 2 to 15 °C.

## Disposal

The used pad must be decontaminated by autoclaving or boiling, and disposed according to local regulations for waste.

## Quality Control

| Function     | Control strains  | Incubation      | Expected results                |
|--------------|--|-----------------|---------------------------------|
| Productivity | <i>Bacillus subtilis</i><br>ATCC 6633 (WDCM 00003)       | 24 h ,<br>35 °C | ≥70%,<br>red colonies           |
|              | <i>Staphylococcus aureus</i><br>ATCC 6538 (WDCM 00032)   |                 |                                 |
|              | <i>Escherichia coli</i><br>ATCC 8739 (WDCM 00012)        |                 |                                 |
|              | <i>Pseudomonas aeruginosa</i><br>ATCC 27853 (WDCM 00025) |                 | ≥70%,<br>yellowish-brown to red |

Please refer to the actual batch related Certificate of Analysis.

## Ordering Information

| Product                                   | Cat. No.     | Pack size            |
|---|--------------|----------------------|
| <b>MC-Media Pad</b> ® Rapid Aerobic Count | 1.32359.0001 | 100pads ( 4x25 pads) |

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