



MICA

THE MICROCOLONY COUNTER & ANALYZER

DIAMIDEX



MICA

Fluorescence

Alicyclobacillus



CFU* enumeration in 24h

- 21 CFR Part 11 compliant
- Exportable data, LIMS integration
- Analysis history

THE MOST RAPID CFU* ENUMERATION, BASED ON IFU NO. 12:2019 STANDARD METHOD

Alicyclobacillus spp., also known as Thermophilic Acidophilic Bacteria (TAB) are a cause of microbial spoilage in acid pH beverages such as fruit juices, juice-related products, sodas, or syrups.

With **MICA *Alicyclobacillus***, combining the use of non-toxic fluorescence detection with revolutionary optical equipment, it is now possible to target and count *Alicyclobacillus* at their **microcolony culture stage**, **in 3 minutes, after just 24 hours of incubation** on BAT agar. MICA's extreme sensitivity allows **detection of as little as 1 CFU*** of *Alicyclobacillus* per membrane regardless of the sample volume. MICA has been especially designed to meet the needs of soft drink industry and therefore uses the same procedure as the IFU No. 12:2019 standard method.

- ✓ **Culture-based method**
- ✓ **Same workflow** key points as IFU No. 12:2019 standard method
- ✓ **Detects all problematic strains** of *Alicyclobacillus* (incl. *A. acidoterrestris*)
- ✓ **Non-toxic procedure** for the cells
- ✓ **Reusable membrane** for Guaiacol or other confirmation tests

LOD: 1 CFU* per membrane

Samples of 1ml, 10ml, 100ml or any volume, depending on your usual usage.

*Colony Forming Unit

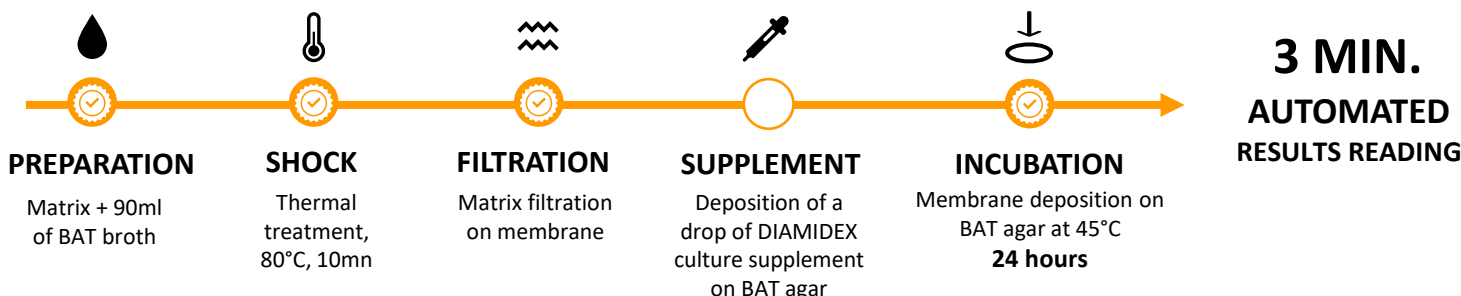


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PROCEDURE / WORKFLOW KEY POINTS



Same Workflow key points as IFU No. 12:2019 standard method.

- Including :
- ✓ *A. acidoterrestris*
 - ✓ *A. acidiphilus*
 - ✓ *A. herbarius*
 - ✓ *A. hesperidum*

Versus 5 days incubation time with standard IFU method!
With **MICA Alicyclobacillus**, you perform a count after 24 hours.

Alicyclobacillus Detection Kit

[Ref. 01 039]

For the analysis of 96 samples

Including *A. acidoterrestris* enumeration
Storage at 4°C to 8°C

Contents:

- 4 x Culture supplement for 24 samples each
- 100 x Membranes
- 220 x Labels
- 10 x Hydration ampoules

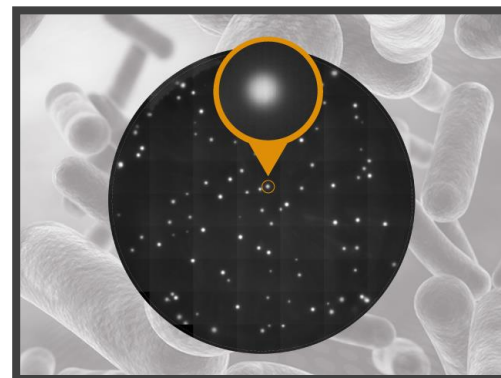
Alicyclobacillus CFU* Analyzer Software

[Ref. 01 038]

For MICA Counter

Contents:

- MICA *Alicyclobacillus* AI Analyzer
- MICA *Alicyclobacillus* testing procedure assistant
- Configurable software
- Individual login for each user
- Inventory management assistant
- Analysis history
- Exportable data, LIMS integration
- 21 CFR Part 11 compliant



To be used with your

MICA

Microcolony Counter & Analyzer