

MICRONAUT

- MICRONAUT-AM Antifungal Agents MIC

What can it be used for?

The increasing prevalence of fungal infections requires a standardized routine antifungal susceptibility test (AFST) in the microbiological lab. Based on the broth microdilution (BMD) procedure, the MICRONAUT-AM AFST plate provides the optimal tool for phenotypic quantification of the MIC of up to 9 antimycotics on a single plate.

Antifungal Agents

NEW Now including novel antifungal agents like anidulafungin, micafungin and posaconazole, with good antimicrobial efficacy against yeasts and Cryptococci.

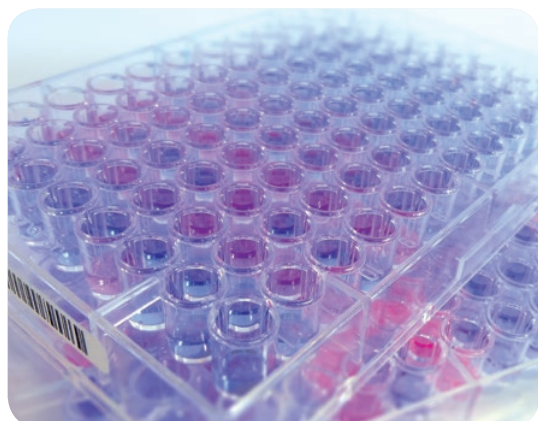
Amphotericin B
5-Fluorocytosin
[Anidulafungin](#)
Caspofungin
[Micafungin](#)

Fluconazole
Itraconazole
[Posaconazole](#)
Voriconazole

Manufactured by


Features and benefits

- Standardized MIC determination of antifungal agents with the newly composed MICRONAUT 1640 medium + MOPS + Glucose for application in routine laboratory diagnostics
- Due to the spectrum of antifungal agents, the MIC plate is appropriate for testing yeasts and cryptococci originating from hospital and community acquired infections
- Growth of the fungi is indicated by a color change from blue to pink mediated by the AFST indicator supplemented to the test medium
- Easy visual or photometric reading and evaluation of the AFST results is provided by the colour change of the AST indicator
- The MICRONAUT software provides reading, evaluation and interpretation according to the latest EUCAST criteria



Procedure

- Prepare a 0.5 McFarland bacteria suspension in NaCl
- Transfer an aliquot into MICRONAUT-RPMI 1640 medium + MOPS + Glucose
- Add AST indicator (Redox dye)
- Inoculate the MICRONAUT-AM Antifungal Agents MIC plate
- Incubate for 24 hours for yeast and 48 hours for Cryptococci at 35-37°C
- Read the result visually or measure photometrically

Shelf life and storage

- Shelf life: 24 months from date of production
- Storage: at room temperature (15-25°C)

Antifungal Agents & Concentrations (µg/mL)

Amphotericin B	0.03-16
5-Fluorocytosin	0.06-32
Anidulafungin	0.002-8
Caspofungin	0.002-8
Micafungin	0.002-8
Fluconazole	0.002; 0.25-128
Itraconazole	0.03-4
Posaconazole	0.008-8
Voriconazole	0.008-8

Order Information

MICRONAUT-AM Antifungal Agents MIC

1 test per plate, 40 plates per box / Part No. E1-831-040

MICRONAUT-RPMI-1640 + MOPS + Glucose

20 tubes per box / Part No. E2-324-020



● MERLIN Diagnostika GmbH

Kleinstraße 14
53332 Bornheim - Germany
Phone +49 (0)2222-9631-0
Fax +49 (0)2222-9631-90

info.merlin@bruker.com www.merlin-diagnostika.de