



## 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

Including antifungal agents like anidulafungin, micafungin and posaconazole, with good antimicrobial efficacy against yeasts and Cryptococci.

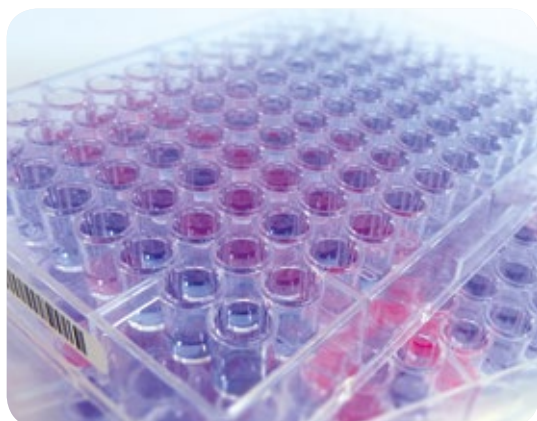
Amphotericin B  
5-Fluorocytosin  
Anidulafungin  
Caspofungin  
Micafungin

Fluconazole  
Itraconazole  
Posaconazole  
Voriconazole

Manufactured by  


## Features and benefits

- Standardized MIC determination of antifungal agents with the newly composed MICRONAUT-RPMI-1640 + 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



## 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

Please contact your local representative for availability in your country. Not for sale in the USA.



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## Procedure

- Prepare a 0.5 McFarland yeast suspension in NaCl
- Transfer an aliquot into MICRONAUT-RPMI-1640 + MOPS + Glucose
- Add AST indicator (Redox dye)
- Inoculate the MICRONAUT-AM Antifungal Agents MIC plate
- Incubate for 24 hours for yeasts 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; 0.015-8  |
| Caspofungin     | 0.002; 0.015-8  |
| Micafungin      | 0.002; 0.015-8  |
| Fluconazole     | 0.002; 0.25-128 |
| Itraconazole    | 0.03-4          |
| Posaconazole    | 0.008-8         |
| Voriconazole    | 0.008-8         |