



## Antifungal Susceptibility Testing

# MICRONAUT-AM EUCAST AFST

High accuracy antifungal susceptibility testing

Innovation with Integrity

### 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 EUCAST AFST test plate provides the optimal tool for phenotypic MIC determination of 6 antifungal agents according to the latest EUCAST standards. Per plate 2 isolates can be tested.

### Antifungal Agents

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

- Amphotericin B
- Anidulafungin
- Micafungin
- Fluconazole
- Posaconazole
- Voriconazole

## Features and benefits

- Standardized MIC determination of antifungal agents with the dedicated growth medium 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 yeasts and cryptococci is indicated by a color change from blue to pink by the AST-Indicator supplemented to the growth medium. This color change is simplifying visual reading of MIC values and ultimately result interpretation.
- The MICRONAUT software provides reading, evaluation and interpretation of MIC values according to latest EUCAST standards

## Procedures

- Prepare a 0.5 McFarland yeast or cryptococci suspension in NaCl
- Transfer an aliquot into MICRONAUT-RPMI-1640 + MOPS + Glucose
- Add AST-Indicator and (if necessary) methylene blue-solution. Both supplements are part of the AST-Reagent Kit.
- Inoculate the MICRONAUT-AM EUCAST AFST plate
- Incubate 24-48 hours for yeasts and up to 72 hours for cryptococci at 35-37°C
- Read the result visually or measure photometrically

## Order information

### MICRONAUT-AM EUCAST AFST

2 tests per plate, 40 plates per box / Part No. E1-832-080

### AST-Reagent Kit

2x4.4mL AST-Indicator and 2x4.4mL Methylene blue-solution per box  
Part No. E2-323-001

### MICRONAUT-RPMI-1640 + MOPS + Glucose

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

## Shelf life

- MICRONAUT-AM EUCAST AFST test plates and AST-Reagent Kit: 24 months from date of production
- MICRONAUT-RPMI-1640 + MOPS + Glucose: 12 months from date of production

## Storage

- MICRONAUT-AM EUCAST AFST test plates: at 15-25°C
- MICRONAUT-RPMI-1640 + MOPS + Glucose: at 2-25°C
- AST-Reagent Kit: at 2-8°C

## Antifungal Agents & Concentrations (µg/mL)

Amphotericin B	0.25-2
Anidulafungin	0.002; 0.016-4
Micafungin	0.002; 0.008-2
Fluconazole	0.002; 0.5-32
Posaconazole	0.03-4
Voriconazole	0.03-4

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



Online information  
[bruker.com/microbiology](http://bruker.com/microbiology)

 **Bruker Daltonics GmbH and Co. KG**

Bremen · Germany  
Phone +49 (0) 421-2205-0

[info.md@bruker.com](mailto:info.md@bruker.com)  
[micronaut.support@bruker.com](mailto:micronaut.support@bruker.com)

