



## MICRONAUT

- MICRONAUT-S Anaerobes MIC

### What can it be used for?

The increasing microbial resistance observed for anaerobic bacteria requires a standardized routine antimicrobial susceptibility test (AST) of anaerobes in the microbiological lab. Based on the broth microdilution (BMD) procedure, the AST plate MICRONAUT-S Anaerobes MIC provides the tool for phenotypic detection of clinically relevant resistance mechanisms in anaerobic pathogens such as *Clostridium* spp., *Bacteroides* spp. and *Peptostreptococcus* spp.

### Antibiotics

The plate configuration includes antibiotics such as metronidazole, carbapenems, beta-lactamase inhibitor combinations, tigecycline or moxifloxacin, showing good antimicrobial efficacy against anaerobic bacteria.

Amoxicillin/Clavulanate	Moxifloxacin
Ampicillin	Penicillin G
Clindamycin	Piperacillin/Tazobactam
Doxycycline	Tigecycline
Ertapenem	Vancomycin
Imipenem	
Meropenem	
Metronidazole	

Manufactured by  


## Features and benefits

- Standardized MIC determination of antibiotics with the newly composed MICRONAUT-Wilkins-Chalgren culture broth in routine laboratory diagnostics
- Due to the spectrum of antibiotics, the MIC plate is appropriate for testing anaerobic bacteria originating from hospital and community acquired infections
- Reading and evaluation of the AST results can be performed visually or photometrically
- The MICRONAUT software provides reading, evaluation and interpretation according to the latest EUCAST or CLSI criteria

## Procedure

- Prepare a 0.5 McFarland standard bacteria suspension in NaCl
- Transfer into MICRONAUT-Wilkins-Chalgren broth
- Inoculate the MICRONAUT-S Anaerobes MIC plate
- Incubate for 24-48 hours at 35-37°C under anaerobic atmosphere
- 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)

## Antibiotics & Concentrations (µg/mL)

Amoxicillin/Clavulanate	64/32	32/16	16/8	8/4	4/2	2/1	1/0.5	0.5/0.25
Ampicillin	8	4	2	1	0.5	0.25	0.125	0.0625
Clindamycin	8	4	2	1	0.5	0.25	0.125	0.0625
Doxycycline	16	8	4	2	1	0.5	0.25	0.125
Ertapenem	16	8	4	2	1	0.5	0.25	0.125
Imipenem	64	32	16	8	4	2	1	0.5
Meropenem	64	32	16	8	4	2	1	0.5
Metronidazole	32	16	8	4	2	1	0.5	0.25
Moxifloxacin	8	4	2	1	0.5	0.25	0.125	0.0625
Penicillin G	8	4	2	1	0.5	0.25	0.125	0.0625
Piperacillin/Tazobactam	128/4	64/4	32/4	16/4	8/4	4/4	2/4	1/4
Tigecycline	8	4	2	1	-	-	-	-
Vancomycin	8	4	2	-	-	-	-	-

## Order Information

### MICRONAUT-S Anaerobes MIC

1 test per plate, 40 plates per box / Part No. E1-085-040

### MICRONAUT-Wilkins-Chalgren Broth

20 tubes per box / Part No. E2-330-020

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



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