



Product list MICRONAUT 2023

Your trusted partner in diagnostics

MICRONAUT

DIAGNOSTICS WITH PASSION



MICRONAUT antimicrobial susceptibility testing (AST)

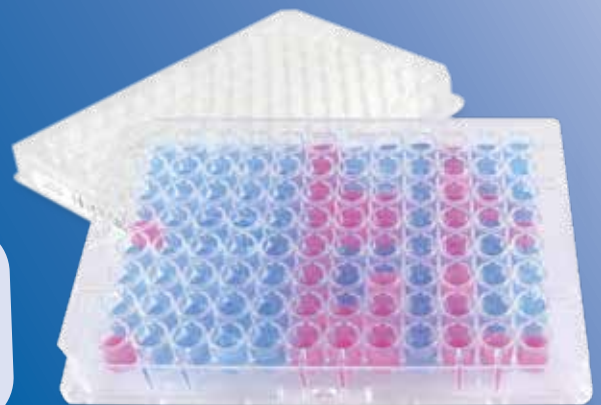
The test principle of the MICRONAUT system for AST is based on phenotypic detection of resistance as expressed by microbial growth in the presence of antibiotic compounds.

The broth microdilution (BMD) procedure is a standardized method and a worldwide accepted reference system for determination of true MIC values.

For all MICRONAUT AST systems the various antibiotics are placed with or without broth in a dehydrated form into the wells of the microtitration plates and are dissolved by adding bacterial suspensions.

After an incubation period of 18-24 hours at 35-37 °C the results can be photometrically measured and evaluated via MICRONAUT software or read visually.

Additionally your own customized antibiogram, according to your preferred standard like EUCAST or CLSI, can be composed from more than 200 antibiotics. Make your choice, whether it's breakpoint procedure, MIC testing or a combination of both.



- UMIC® Product line for determination of true MIC values
- MICRONAUT-S Mastitis, veterinary plate
- MICRONAUT-S Kleintier, veterinary plate
- MICRONAUT-S Großtiere, veterinary plate



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MICRONAUT susceptibility testing (AST) in microtitration plates

The MICRONAUT AST plates are offered in standard plates and in individual customer defined configurations. Number and concentrations of antibiotics of the customer-specific plates are freely configurable. A minimum purchase is required. All further AST products are available as standard plates.

Customer defined plates

Art. No.	Product	Description	Packing
M/E1-xxx-100	MICRONAUT-S individual	1 test/2 tests/4 tests/plate AST as Breakpoint or MIC method with your choice of antibiotics.	100 plates

Standard plates for clinical laboratories

Art. No.	Product	Description	Packing
M/E5-009-100	MICRONAUT-UR	1 test/plate Identification (ID) and susceptibility testing (AST) of gram-negative and gram-positive bacteria for urological diagnostics.	100 plates
M/E1-270-400	MICRONAUT-S Urines Complete	4 tests/plate Susceptibility testing of therapy-relevant antibiotics like mecillinam, nitroloxin, temocillin and trimethoprim.	100 plates
M/E1-055-040	MICRONAUT-S MRSA / GP	1 test/plate Susceptibility testing towards multi-drug resistance in staphylococci, enterococci and pneumococci.	40 plates
M/E1-199-040	MICRONAUT-S Pneumococci & Haemophilus MIC	1 test/plate Susceptibility testing towards therapy-relevant antibiotics.	40 plates
M/E1-085-040	MICRONAUT-S Anaerobes MIC	1 test/plate Susceptibility testing towards therapy-relevant antibiotics.	40 plates
M/E1-221-040	MICRONAUT-S Pseudomonas MIC	1 test/plate Susceptibility testing towards therapy-relevant antibiotics.	40 plates
M/E1-111-040	MICRONAUT-S β-Lactamases	1 test/plate Phenotypic detection of multiple β -lactamases (ESBL, AMP-C, MBL, KPC, D-carbapenemases, OXA-48).	40 plates

Art. No.	Product	Description	Packing
M/E1-218-040	MICRONAUT-S MDR MRGN-Screening	1 test/plate Susceptibility testing of multidrug-resistant gram-negative bacteria incl. MRGN classification acc. to KRINKO.	40 plates
M/E1-120-080	MICRONAUT-S Carbapenemases Detection	2 test/plate Phenotypic detection of type A-carbapenemases (e.g. KPC), metallo-beta-lactamases and OXA-48-like type D-carbapenemases in <i>Enterobacteriaceae</i> and <i>Pseudomonas aeruginosa</i> .	40 plates
M/E1-246-100	MICRONAUT-S Gram-positive MIC	1 test/plate Susceptibility testing of gram-positive bacteria towards therapy-relevant antibiotics.	100 plates
M/E1-247-100	MICRONAUT-S Gram-negative MIC	1 test/plate Susceptibility testing gram-negative bacteria towards therapy-relevant antibiotics.	100 plates
M/E1-280-100	MICRONAUT-S GN varia complete MIC	1 test/plate Susceptibility testing gram-negative bacteria towards therapy-relevant antibiotics.	100 plates
M/E1-281-100	MICRONAUT-S GP varia complete MIC	1 test/plate Susceptibility testing of gram-positive bacteria towards therapy-relevant antibiotics.	100 plates

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Standard plates for veterinary laboratories

Art. No.	Product	Description	Packing
M/E1-032-200	MICRONAUT-S Mastitis	2 tests/plate Susceptibility testing as MIC method for mastitis relevant antibiotics.	100 plates
M/E1-319-100	MICRONAUT-S Kleintier	1 test/plate Susceptibility testing as MIC method towards therapy-relevant antibiotics.	100 plates
M/E1-318-100	MICRONAUT-S Großtiere	1 test/plate Susceptibility testing as MIC method towards therapy-relevant antibiotics.	100 plates
M/E1-298-100	MICRONAUT-S Livestock/Equines GN	1 test/plate Susceptibility testing gram-negative bacteria as MIC method towards therapy-relevant antibiotics.	100 plates
M/E1-299-100	MICRONAUT-S Livestock/Equines GP	1 test/plate Susceptibility testing of gram-positive bacteria as MIC method towards therapy-relevant antibiotics.	100 plates

Standard plates for susceptibility testing of yeasts

Art. No.	Product	Description	Packing
M/E1-831-040	MICRONAUT-AM Anti Fungal Agents MIC	1 test/plate AST as MIC method for antifungal agents (EUCAST).	40 plates
M/E1-832-080	MICRONAUT-AM EUCAST AFST	2 tests/plate Susceptibility testing as MIC method towards antifungal agents (EUCAST).	40 plates

MICRONAUT MIC Strip Colistin (visual evaluation)

Art. No.	Product	Description	Packing
M/EM-006-040	MIC-Strip Colistin	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC). According to the EUCAST and CLSI recommendations of March 2016 and the study of November 2016.	40 strips

NEW

UMIC® Strips

Art. No.	Product	Description	Packing
M/UM-COL-040	UMIC® Colistin	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips
M/UM-VAN/TEI-040	UMIC® Vancomycin/Teicoplanin	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips
M/UM-DAP-040	UMIC® Daptomycin	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips
M/UM-PIT-040	UMIC® Piperacillin-Tazobactam	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips
M/UM-LIN-040	UMIC® Linezolid	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips
M/UM-CID-040	UMIC® Cefiderocol	Susceptibility testing of bacteria by the broth microdilution method to determine the minimum inhibitory concentration (MIC).	40 strips

NEW

UMIC® Boxes

Art. No.	Product	Description	Packing
M/UM-BOX-COL	UMIC® Box Colistin	Reusable box	1 box
M/UM-BOX-VAN/TEI	UMIC® Box Vancomycin/Teicoplanin	Reusable box	1 box
M/UM-BOX-DAP	UMIC® Box Daptomycin	Reusable box	1 box
M/UM-BOX-PIT	UMIC® Box Piperacillin-Tazobactam	Reusable box	1 box
M/UM-BOX-LIN	UMIC® Box Linezolid	Reusable box	1 box
M/UM-BOX-CID	UMIC® Box Cefiderocol	Reusable box	1 box

Special plates for interlaboratory comparison

Art. No.	Product	Description	Packing
M/E1-xxx-005	MICRONAUT-S MHK Ringversuche	1 test/plate Susceptibility test includes the currently required antibiotics, used in the ring-test bacteriology.	5 plates

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MICRONAUT reagents

Art. No.	Product	Description	Packing
M/E2-301-001	Indol Reagent	For use with MICRONAUT-UR	100 ml
M/E2-305-001	Paraffin Oil	For use with MICRONAUT-UR	100 ml
M/E2-310-001	Peptidase Reagent	For use with MICRONAUT-UR	100 ml

MICRONAUT media

Art. No.	Product	Description	Packing
M/E2-331-020	Mueller Hinton Broth, cation adjusted	11.5 ml medium for susceptibility testing of bacteria.	20 tubes
M/E2-331-100		100 tubes	
M/UM-MH-020	Mueller Hinton II	Mueller Hinton Broth for all UMIC® Products, but NOT for UMIC® Cefiderocol .	20 tubes
M/E2-333-020	Iron-depleted CAMHB	Iron-depleted Mueller Hinton Broth (cation adjusted) exclusively for UMIC® Cefiderocol .	20 tubes
M/E2-311-020	MICRONAUT-H Medium	11.5 ml medium for susceptibility testing of fastidious bacteria.	20 tubes
M/E2-311-100		100 tubes	
M/E2-319-100	MICRONAUT-SB Medium	11.5 ml suspension medium for the susceptibility testing via MICRONAUT-SB and MICRONAUT-UR plates.	100 tubes
M/E2-330-020	MICRONAUT-Wilkins-Chalgren Broth	11.5 ml medium for susceptibility testing of anaerobes.	20 tubes
M/E2-324-020	MICRONAUT-RPMI-1640 Medium + Glucose + MOPS	11.5 ml medium for susceptibility testing of yeasts.	20 tubes
M/E2-338-100	MICRONAUT-ID Medium	5.5 ml medium for the indentification of the MICRONAUT-UR plates.	100 tubes
M/E2-318-200	MICRONAUT-SB Medium	Dry granulate The number of tests depends on the product used.	200 g

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MICRONAUT software

Art. No.	Product	Description	Packing
M/U8-305-001	MICRONAUT 6 Software	MICRONAUT 6 software (online compatible) Software used for reading, evaluation and validation of MICRONAUT plates.	1 unit

Instruments and equipment

Art. No.	Product	Description	Packing
M/735391	Pipette	8-channel stepper Picus®	1 unit
M/L4Y-100-001	Densitometer		1 unit
M/2350	McFarland Standard	Set consists of McFarland standards 0.5 / 1.0 / 2.0	1 unit
M/sifin3	Tecan SUNRISE	Plate photometer	1 unit
M/PC-MCN 6-001	WINDOWS PC	WINDOWS 10 PC	1 unit
M/709400	BRAND Liquid Handling Station	Liquid Handling Station incl. software and equipment. size: 530 x 595 x 485 mm, weight: 25 kg	1 unit

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Consumables

Art. No.	Product	Description	Packing
M/LH-B791204	Biohit Optifit tips FlexiBulk 1200	For use with the Biohit pipette.	480 units
M/BH3-487-096	Biohit tips rack 96	1 tray rack per 96 tips.	1 rack
M/791202	Biohit Optifit Tip	Refill pack with 10 x 96 tips.	10 racks
M/R4-510-350	1-Channel reservoirs	Single-use reservoir for inoculation of 1 test/plate.	350 units
M/R4-506-350	2-Channel reservoirs	Single-use reservoir for inoculation of 2 tests/plate.	350 units
M/R4-508-350	4-Channel reservoirs	Single-use reservoir for inoculation of 4 tests/plate.	350 units
M/B3-002-040	MICRONAUT foil perforated, 40 units	For sealing of MICRONAUT plates.	40 units
M/B3-004-040	MICRONAUT foil unperforated, 40 units	For sealing of MICRONAUT plates.	40 units

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