



MICRONAUT VET Solution

- Accurate and reliable antimicrobial susceptibility results in compliance with latest CLSI VET standards

Current challenges in veterinary diagnostics

Veterinary medicine around the world is facing an unprecedented challenge by rapidly evolving antimicrobial resistance (AMR) which could translate into loss of production, reduced food quality and decreased revenue for farmers and producers. Moreover, pets' health and their well-being are becoming more important for owners of companion animals. In order to improve animal outcomes, veterinary diagnostic laboratories (VDL) are looking for antimicrobial susceptibility testing (AST) solutions offering a combination of accuracy, comprehensiveness, flexibility, and workflow efficiency while keeping costs under control.

Benefits

The MICRONAUT VET solution is based on broth microdilution (BMD), the reference method for AST, and provides species-specific true MIC values for a broad spectrum of veterinary-specific antibiotics. It complies with latest CLSI VET standards.

The MICRONAUT VET solution offers a choice of five different panel configurations, to meet the requirements for bacteria isolated from companion animals, livestock animals, swine and horses. Standardized photometric reading of plates as well as up to date software-based interpretation of AST results are increasing the laboratory efficiency. The long shelf life (24 months from date of manufacturing) as well as convenient storage at room temperature are simplifying logistics and keeping costs under control.

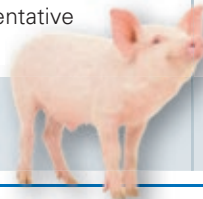
Workflow

- Prepare a 0.5 McFarland standard bacterial suspension in sodium chloride solution
- Transfer an aliquot into cation-adjusted Mueller Hinton broth
- Inoculate the MICRONAUT VET MIC test plates
- Incubate for 18-24 hours at 35-37°C
- Read the results visually or measure photometrically



MICRONAUT VET solution at a glance (order information)

MICRONAUT VET COM-GN Part No. E1-248-040 1 test per plate, 40 plates per box	for gram-negative bacteria isolated from companion animals
MICRONAUT VET COM-GP Part No. E1-249-040 1 test per plate, 40 plates per box	for gram-positive bacteria isolated from companion animals
MICRONAUT VET EQUI Part No. E1-250-040 1 test per plate, 40 plates per box	for gram-negative and gram-positive bacteria isolated from horses
MICRONAUT VET BOV-POR Part No. E1-251-040 1 test per plate, 40 plates per box	for gram-negative and gram-positive bacteria isolated from cattle and swine
MICRONAUT VET BOV-MAS Part No. E1-252-080 2 tests per plate, 40 plates per box	for gram-negative and gram-positive bacteria isolated from bovine mastitis cases
Mueller Hinton Broth, cation adjusted Part No. E2-401-100 (VET only) 1 tube per test, 100 tubes per box	growth medium for AST
Mueller Hinton Broth, cation adjusted Part No. E2-401-020 (VET only) 1 tube per test, 20 tubes per box	growth medium for AST
Photometer TECAN Sunrise™ Please contact your TECAN representative for availability in your country	for automated photometric reading of MICRONAUT VET plates
MICRONAUT6 software Part No. U8-401-001 (VET only)	for automated AST result interpretation according to latest CLSI VET standards



For general veterinary use only. Not for use with human clinical samples.

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