



MICRONAUT

- MIC-Strip Piperacillin-Tazobactam

What can it be used for?

The MICRONAUT MIC-Strip Piperacillin-Tazobactam enables antimicrobial susceptibility testing against the combination medication piperacillin-tazobactam by using the broth microdilution (BMD) method for *Enterobacteriaceae* and *Pseudomonas aeruginosa*.

Piperacillin-Tazobactam concentration range

0.125/4 to 128/4 mg/L

Features and benefits

- Phenotypic antimicrobial susceptibility testing against piperacillin-tazobactam
- Standardized MIC determination of piperacillin-tazobactam in routine laboratory diagnostics by broth microdilution procedure
- The strip format permits economic use of AST, adapted to the individual laboratory diagnostic requirements
- Easy handling combined with standard laboratory equipment, for high quality MIC results of piperacillin-tazobactam
- No special expertise required, easy visual evaluation

Procedure

- Prepare a 0.5 McFarland bacterial suspension in NaCl
- Transfer an aliquot into Mueller-Hinton II broth (CAMHB)
- Inoculate the appropriate number of MIC-Strips
- Incubate for 18-22 hours at 35-37°C
- Read the results visually

Shelf life and storage

- Shelf life: 24 months from date of production (unopened), expires 8 weeks after opening
- Storage: at room temperature (15-25°C)

International ISO standard method

- MICRONAUT is a broth microdilution system using the international reference methodology (ISO 20776-1). MIC levels are based on EUCAST guidelines where applicable.



Piperacillin-Tazobactam (PIT) concentrations (mg/L)

1	2	3	4	5	6	7	8	9	10	11	12
GC	PIT	PIT	PIT	PIT	PIT	PIT	PIT	PIT	PIT	PIT	PIT
	0.125/4	0.25/4	0.5/4	1/4	2/4	4/4	8/4	16/4	32/4	64/4	128/4

Order Information

MICRONAUT MIC-Strip Piperacillin-Tazobactam

5 plates, 8 strips per plate (40 tests per box) / Part No EM-024-040

Mueller-Hinton Broth, cation adjusted

1 tube per test, 20 tubes per box / Part No E2-331-020

1 tube per test, 100 tubes per box / Part No E2-331-100



Please contact your local representative for availability in your country

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