

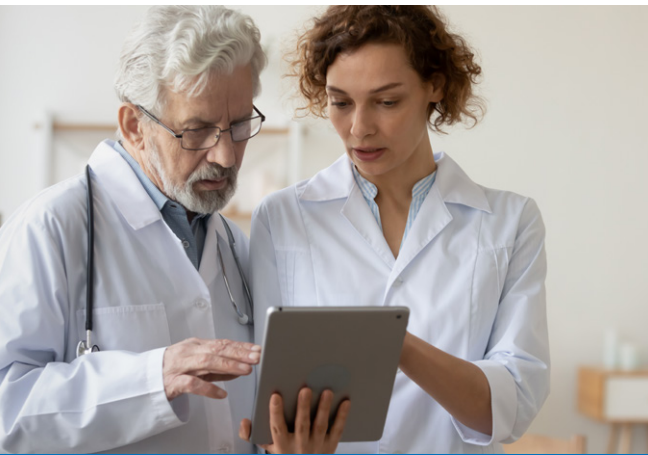
IVD



## UMIC<sup>®</sup> Product Line

- High accuracy single drug MIC testing

# Laboratories Challenged by the Threat of Antimicrobial Resistance

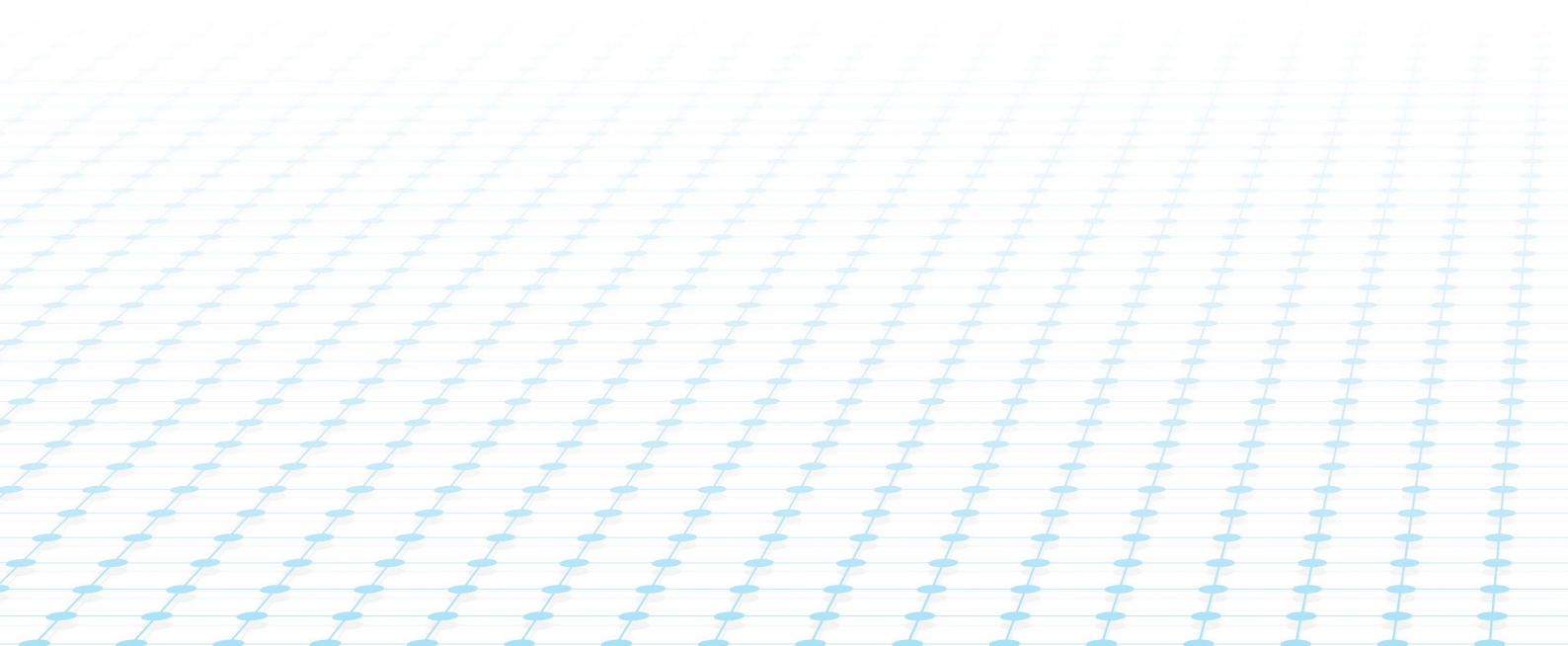


The overuse of antibiotics has led to the emergence of Multi-Drug Resistant bacteria (MDR), notably by the high transmission of plasmid mediated resistance genes. Current antimicrobial susceptibility testing (AST) methods suffer from limitations that impact the laboratory workflow with delayed results and extra costs due to retests.

Broth microdilution (BMD) is the reference method recommended by EUCAST and is easy to perform with standardized tools such as UMIC.

## **An accurate and easily implementable MIC method**

The broth microdilution method provides an accurate and reliable MIC testing procedure that can be easily implemented in clinical microbiology laboratories, as a complement to the routine AST workflow. For this purpose, a flexible solution providing EUCAST & CLSI compliance, simplicity and convenient logistics, has been designed to resolve current limitations.



# Umic: Offering High Accuracy Single Drug MIC Testing

UMIC are ready-to-use strips with 12 wells each, containing dried antibiotics and prepared according to the ISO 20776-1 standard, therefore delivering accurate MIC results based on the reference method.

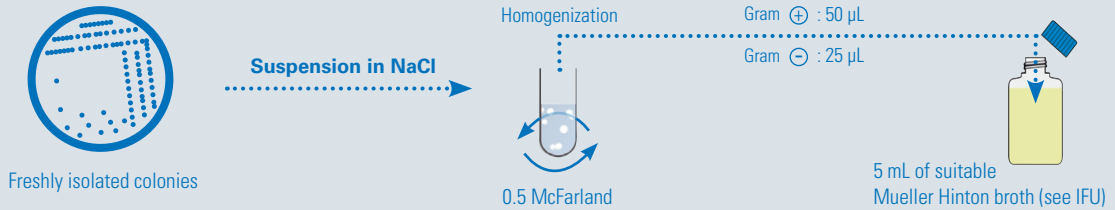
As single strips, UMIC allow flexibility in the choice to test one or several drugs for a clinical isolate, from the same bacterial inoculum. The strips are clearly marked to avoid mixing up.

UMIC strips are easy to implement in routine by using the same 0.5 McFarland inoculum as prepared for general AST methods. The incubation boxes help maintain the humid atmosphere and can easily be recognized in the incubator. They also serve as a reading tool, with a reminder of the concentrations of the antibiotic present in the wells of the UMIC strip. 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.

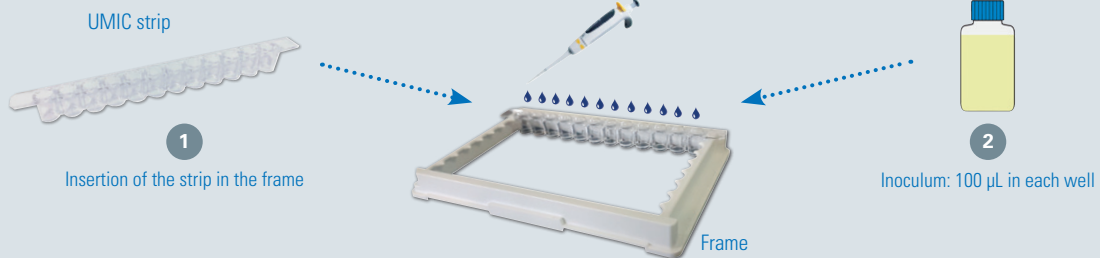


# Easy Workflow at a Glance

## 1 Inoculum preparation



## 2 UMIC strip inoculation



## 3 Incubation in the UMIC Box\*

$35 \pm 1^\circ\text{C}$  in humid atmosphere

For  $18 \pm 2$  hours\*\*



PRESERVED HUMID ATMOSPHERE

CLEAR IDENTIFICATION (ONE BOX PER ANTIBIOTIC)

REUSABLE

EASY READING

\* Incubation can be done in a standard incubator without using the UMIC Box

\*\*Unless specific recommendations from EUCAST

## 4 Result reading

Turbid = growth = positive      Clear = absence of growth = negative

The growth control must be positive



MIC = FIRST CLEAR WELL



Easy reading of the MIC with the UMIC Box

Results sheet  
Colistin

Patient ID	Date and inoculation time	MIC												MIC	Interpretation	
		1	2	4	8	16	32	64	128	1	2	4	8			
		0	C	C	C	C	C	C	C	C	C	C	C	2		

Report on the provided results sheet



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# Order Information

## UMIC Strips

### UMIC Colistin

40 tests per box  
Part No. UM-COL-040

### UMIC Vancomycin/Teicoplanin

40 tests per box  
Part No. UM-VAN/TEI-040

### UMIC Daptomycin

40 tests per box  
Part No. UM-DAP-040

### UMIC Piperacillin-Tazobactam

40 tests per box  
Part No. UM-PIT-040

### UMIC Linezolid

40 tests per box  
Part No. UM-LIN-040

### UMIC Cefiderocol

40 tests per box  
Part No. UM-CID-040

## Mueller Hinton Broths

### Mueller Hinton II

1 tube per test, 20 tubes per box  
Part No. UM-MH-020

### Iron-depleted CAMHB

1 tube per test, 20 tubes per box  
Part No. E2-333-020

## Accessories

### UMIC Box Colistin

One box (reusable)  
Part No. UM-BOX-COL

### UMIC Box Vancomycin/Teicoplanin

One box (reusable)  
Part No. UM-BOX-VAN/TEI

### UMIC Box Daptomycin

One box (reusable)  
Part No. UM-BOX-DAP

### UMIC Box Piperacillin-Tazobactam

One box (reusable)  
Part No. UM-BOX-PIT

### UMIC Box Linezolid

One box (reusable)  
Part No. UM-BOX-LIN

### UMIC Box Cefiderocol

One box (reusable)  
Part No. UM-BOX-CID

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



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