

BIOMÉRIEUX

VITEK® REVEAL™

RAPID AST FOR BLOODSTREAM INFECTIONS



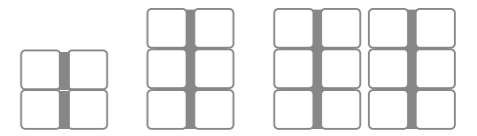
PIONEERING DIAGNOSTICS

EVERY 2.8 SECONDS SOMEONE DIES FROM¹

SEPSIS



RAPID AST
VITEK® REVEAL™



MODULAR TO FIT ANY LAB

MORTALITY ODDS INCREASE

9% EVERY HOUR 



**BETWEEN PRESENTATION
& ANTIBIOTIC
ADMINISTRATION**

IN PATIENTS WITH SEPSIS²

FAST

- Delivers phenotypic AST results in an average of 5.5 hours³
- Directly from positive blood culture

ACTIONABLE

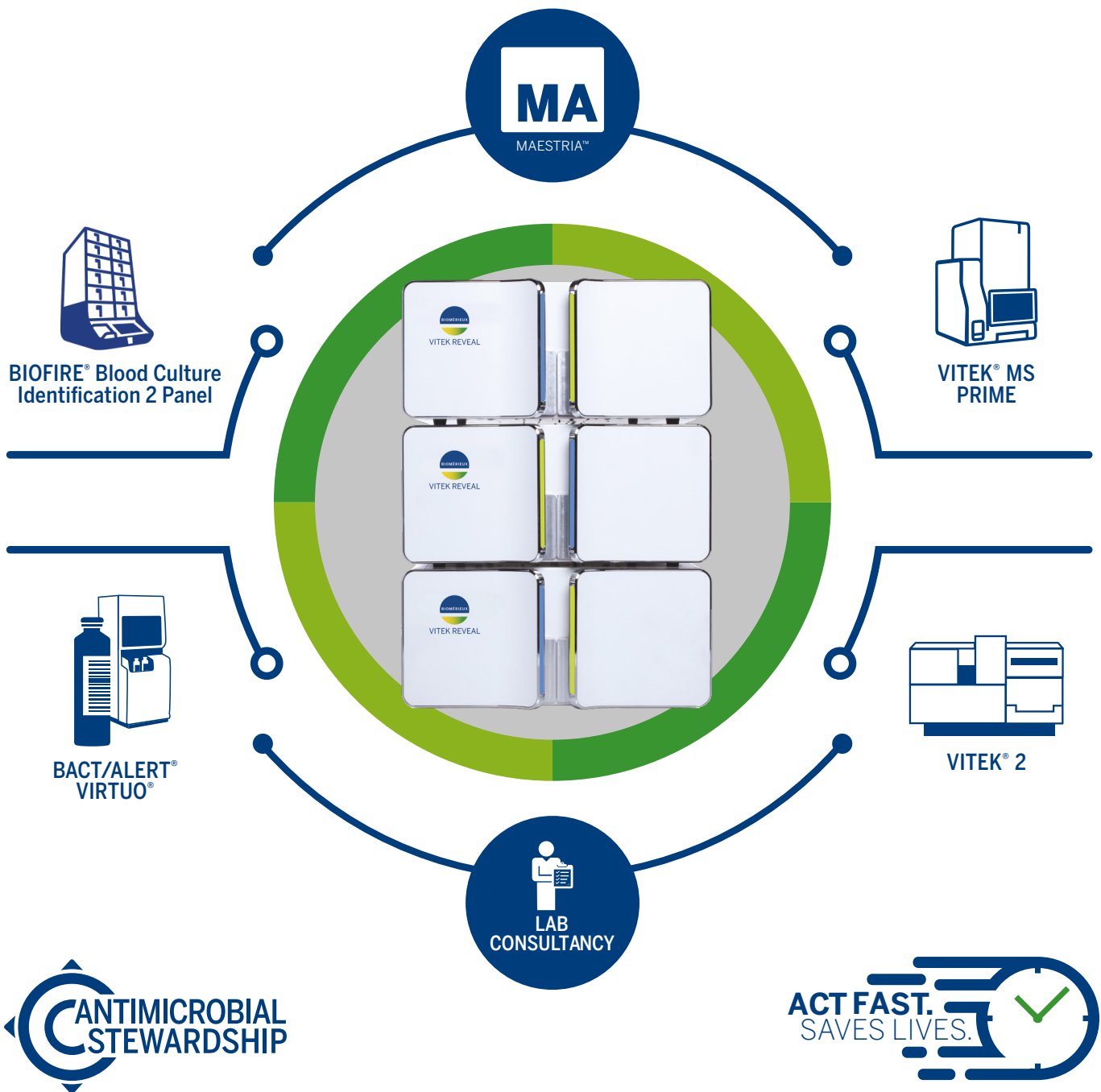
- Wide antimicrobial coverage for Gram negative bloodstream infections
- Allows faster antimicrobial therapy de-escalation to support antimicrobial stewardship
- Real-time monitoring of Minimum Inhibitory Concentration (MIC) results

INTEGRATED

- Fully integrated within The bioMérieux Sepsis Solution
- Access to bioMérieux's services from consultancy to installation
- Bi-directional connectivity with MAESTRIA™ or LIS

FASTER TIME TO TARGETED THERAPY

RESULTS IN AN AVERAGE OF 5.5 HOURS
WHEN INTEGRATED WITHIN THE BIOMÉRIEUX SEPSIS SOLUTION



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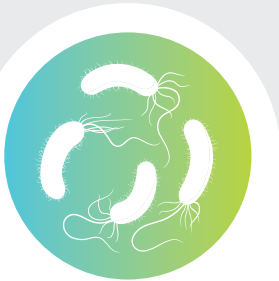
SOURCES

1. What is Sepsis? - World Sepsis Day - September 13
<https://www.worldsepsisday.org/sepsis>
2. Liu VX et al. Am J Respir Crit Care Med. 2017. Vol 196,(7): 856–863
3. Clinical evaluation of the SPECIFIC REVEAL™ with Gram-negative bacteremia samples in 6 hospitals in France and England - 2021

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VITEK® REVEAL™

GRAM-NEGATIVE (GN01-AST) PANEL



Wide antimicrobial coverage for Gram-negative bloodstream infections, with 176 bug drug combinations.

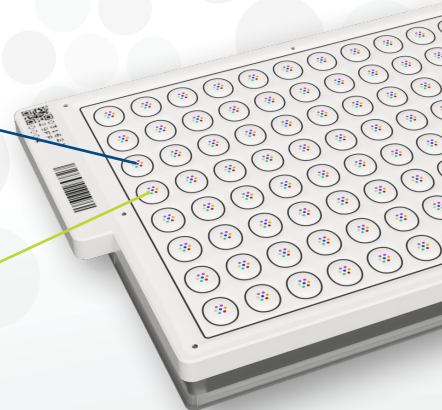
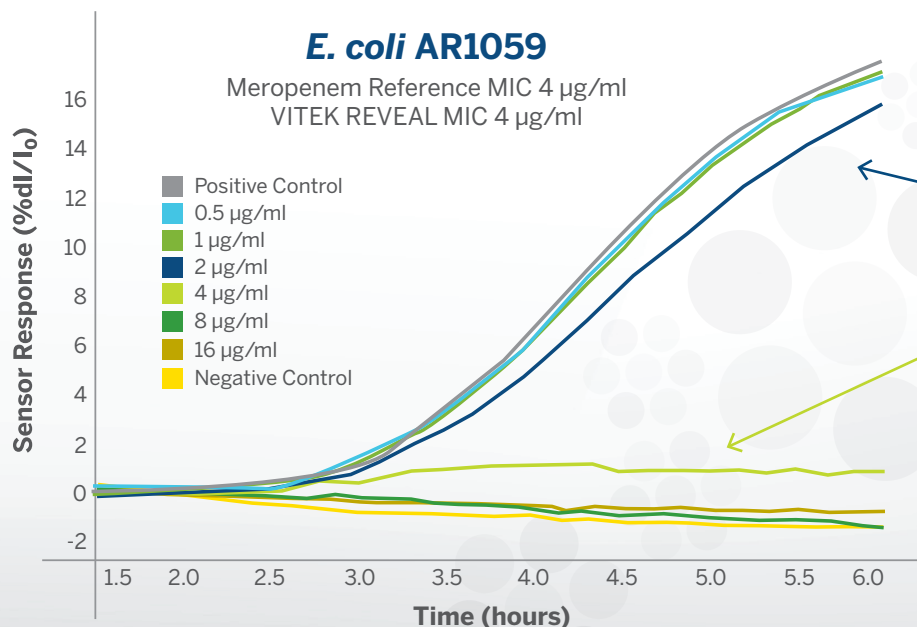
ANTIMICROBIAL DRUG	MIC CALLING RANGE (µg/ml)													
		A. baumannii	C. freundii	C. koseri	E. cloacae	E. coli	K. aerogenes	K. oxytoca	K. pneumoniae	P. mirabilis	P. aeruginosa			
Amikacin	4 - 16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
Amoxicillin / Clavulanate	4/2 - 16/2			✓		✓		✓		✓	✓	✓		5
Ampicillin	4 - 8					✓						✓		2
Aztreonam	1 - 16	✓	✓	✓	✓	✓	✓	✓	✓			✓		8
Cefepime	0.125 - 64	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		8
Cefotaxime	0.125 - 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			8
Cefoxitin	8 - 16			✓		✓		✓	✓	✓	✓			5
Ceftazidime	0.125 - 64	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		9
Ceftazidime / Avibactam	0.25/4, 1/4 - 16/4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ceftazidime / Clavulanate	0.25/4 - 8/4					✓		✓	✓					3
Ceftolozane / Tazobactam	1/4 - 4/4				✓	✓	✓	✓	✓	✓		✓		6
Ciprofloxacin	0.06, 0.25 - 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
Ertapenem	0.125 - 1		✓	✓	✓	✓	✓	✓	✓	✓	✓			8
Gentamicin	2 - 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9
Imipenem	1 - 8	✓	✓	✓	✓	✓	✓	✓	✓			✓		9
Levofloxacin	0.25 - 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
Meropenem	0.125 - 8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
Meropenem / Vaborbactam	2/8 - 8/8		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Piperacillin	8 - 16		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	8
Piperacillin / Tazobactam	4/4 - 16/4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Tigecycline	0.5 - 1			✓		✓								2
Tobramycin	2 - 4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10
Trimethoprim / Sulfamethoxazole	2/38 - 4/76	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			9
TOTAL		8	17	19	18	23	17	21	21	18	14	176		

System reports results with S/I/R interpretation according to CA-SFM 2019 and EUCAST 2021 Breakpoints

NOVEL TECHNOLOGY DETERMINES MIC DIRECTLY FROM POSITIVE BLOOD CULTURE



The panel includes highly sensitive nanoporous sensors. The sensors change color in response to metabolic volatiles produced by microorganisms during growth to quantify antibiotic efficacy.



SIMPLE PREP IN <3 MINUTES



Dilute



Decant



Inoculate



Cover with Sensor Panel



Seal Assay



Run AST Panel

AVERAGE 5.5 HOURS TIME TO RESULT¹

PERFORMANCE OVERVIEW²

- ISO COMPLIANCE 20776-2:2007
- 97.9% EA and 96.7% CA with 19.1% resistant organisms
- Only 1.0% VME and 1.2% ME

Product availability varies by country. Consult your bioMérieux representative.

References

1. Clinical evaluation of the SPECIFIC REVEAL™ with Gram-negative bacteremia samples in 6 hospitals in France and England - 2021
2. As of December 2021, 867 clinical strains are tested across 7 hospitals

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