

# » ACCURATELY DETECT ANTIBIOTIC RESISTANCE WITH 10 NEW MicroScan PANELS

As the prevalence of antibiotic-resistant organisms continues to increase, the value of accurate MIC testing has become more important than ever. Ten new MicroScan panels reduce the need for offline testing, improve laboratory workflow and provide accurate results to treat patients faster.



## Reduce offline Gram-negative testing and improve laboratory workflow for multi-drug-resistant organisms with new antibiotics and automated read capabilities

- › Help treat infections caused by multi-drug-resistant organisms with three new antibiotics: ceftazidime/avibactam, ceftolozane/tazobactam and minocycline—**New**
- › Report *Acinetobacter* spp., a significant multi-drug-resistant organism, through a newly formulated version of the antibiotic imipenem—**Improved**
- › Take advantage of automatic read capabilities of the Detect Neg MIC 2\* panel, available with the WalkAway and autoSCAN-4 instrument systems and LabPro software version 4.42—**Improved**

## ● The value of new antibiotics and extended dilutions on current drugs includes:

- › **Ceftazidime/avibactam for the treatment of ESβLs, KPC and OXA carbapenemases, and *P. aeruginosa*** in select complicated infections and hospital-acquired bacterial pneumonia
- › **Ceftolozane/tazobactam for the treatment of ESβLs, OXA carbapenemases and *P. aeruginosa*** in select complicated infections
- › **Minocycline as an additional treatment option** for *Acinetobacter* spp. and Enterobacteriaceae
- › **Ciprofloxacin low dilutions** to support testing and reporting for *Salmonella* serotype Typhi

## Provide accurate Gram-positive results to treat patients faster

- › Improve time-to-results for reporting enterococcal species by four to eight hours with an enhanced vancomycin formulation
- › Reduce read time, which applies to the three new Gram-positive panels, as well as these current panels: Pos MIC 34, Pos Combo 43 and Pos Combo 44



## Panel configurations

Gram-negative Panel Name	Neg MIC 53	Neg MIC 54	Neg/Urine Combo 84	Neg/Urine Combo 85	Neg/Urine Combo 86	Neg/Urine Combo 87	Neg/Urine Combo 88
Catalog Number	B1017-432	B1017-433	B1017-434	B1017-435	B1017-436	B1017-437	B1017-438
Antimicrobial Agent	µg/mL	µg/mL	µg/mL	µg/mL	µg/mL	µg/mL	µg/mL
Amikacin	16-32	16-32	16-32	16-32	16-32	16-32	-
Amoxicillin/K Clavulanate	8/4-16/8	4/2-16/8	-	8/4-16/8	-	-	-
Ampicillin	8-16	8-16	8-16	8-16	8-16	8-16	8-16
Ampicillin/Sulbactam	4/2-16/8	1/0.5-16/8	4/2-16/8	8/4-16/8	8/4-16/8	8/4-16/8	8/4-16/8
Aztreonam	4-16	4-16	4-16	4-16	4-16	4-16	4-16
Cefazolin	2-16	2-16	2-16	2-16	2-16	2-16	2-16
Cefepime	2-16	2-16	2-16	2-16	2-16	2-16	2-16
Cefotaxime	2, 8-32	2-32	2, 8-32	2, 8-32	2, 16	2, 8-32	2, 8-32
Cefotaxime/K Clavulanate	0.5/4, 4/4	0.5/4, 4/4	0.5/4, 4/4	0.5/4, 4/4	0.5/4, 4/4	0.5/4, 4/4	0.5/4, 4/4
Cefotaxime-ESBL	1	1	1	1	-	1	1
Cefotetan	-	16-32	-	16-32	-	-	-
Cefoxitin	8-16	-	8-16	-	8-16	8-16	8-16
Ceftazidime	1, 4-16	1, 4-16	1, 4-16	1, 4-16	1, 4-16	1, 4-16	1, 4-16
Ceftazidime/Avibactam	4/4-16/4	4/4-16/4	-	-	8/4-16/4	-	8/4-16/4
Ceftazidime/K Clavulanate	0.25/4, 2/4	0.25/4, 2/4	0.25/4, 2/4	0.25/4, 2/4	0.25/4, 2/4	0.25/4, 2/4	0.25/4, 2/4
Ceftolozane/Tazobactam	2/4-8/4	-	-	-	-	2/4-8/4	-
Ceftriaxone	1-32	1-32	1-2, 8, 32	1-2, 8, 32	1-2, 8, 32	1-2, 8, 32	1-2, 8, 32
Cefuroxime	4-16	4-16	4-16	-	-	4-16	4-16
Ciprofloxacin	1-2	1-2	1-2	1-2	1-2	-	1-2
Ciprofloxacin-S	0.06-0.5	0.06-0.5	-	-	-	-	-
Doripenem	0.5-2	-	-	-	-	-	-
Ertapenem	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1	0.5-1
Gentamicin	2-8	1-8	4-8	4-8	4-8	4-8	4-8
Imipenem	1-8	0.5-4	-	-	1-4	-	-
Levofloxacin	2-4	0.5-4	2-4	2-4	2-4	2-4	2-4
Meropenem	1-8	1-8	1-8	1-8	1-8	1-8	1-8
Minocycline	4-8	4-8	-	4-8	-	-	-
Moxifloxacin	2-4	-	-	-	-	-	-
Nitrofurantoin	32-64	32-64	32-64	32-64	32-64	32-64	32-64
Piperacillin/Tazobactam	8/4-64/4	4/4-64/4	16/4, 64/4	16/4, 64/4	16/4, 64/4	16/4, 64/4	16/4, 64/4
Tetracycline	4-8	4-8	4-8	4-8	4-8	-	4-8
Tigecycline	1-4	2-4	-	-	2-4	2-4	-
Tobramycin	2-8	1-8	4-8	4-8	4-8	4-8	4-8
Trimethoprim/Sulfamethoxazole	2/38	2/38	2/38	2/38	2/38	2/38	2/38
<b>Total antibiotic tests/panel</b>	<b>33</b>	<b>30</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>24</b>	<b>24</b>

Gram-positive Panel Name	Pos MIC 38	Pos Combo 45	Pos Combo 46
Catalog Number	B1017-222	B1017-219	B1017-220
Antimicrobial Agent	µg/mL	µg/mL	µg/mL
Amoxicillin/K Clavulanate	4/2	4/2	4/2
Ampicillin	2, 8	2, 8	2, 8
Ampicillin/Sulbactam	8/4-16/8	8/4-16/8	-
Azithromycin	2-4	2-4	-
Cefazolin	8-16	8-16	8-16
Cefepime	4-16	-	8-16
Cefotaxime	8-32	-	8-32
Cefoxitin Screen	4	4	4
Ceftaroline	0.5-4	0.5-2	1-2
Ceftriaxone	4-32	8-32	-
Cefuroxime	-	-	8-16
Cephalothin	8-16	-	-
Ciprofloxacin	1-2	1-2	-
Clindamycin	0.25-4	0.5-4	0.5-2
Daptomycin	0.5-4	1, 4	0.5-4
Erythromycin	0.25-4	0.25-4	0.25-4
Gentamicin	4-8	4-8	4-8
Gentamicin Synergy Screen	500	500	500
Imipenem	4-8	-	-
Inducible Clindamycin	4/0.5	4/0.5	4/0.5
Levofloxacin	1-4	1-4	1-4
Linezolid	1-4	2-4	2-4
Meropenem	2-8	4-8	4-8
Nitrofurantoin	32-64	32-64	32-64
Oxacillin	0.25-2	0.25-2	0.25, 1-2
Penicillin	0.03-2	0.03, 0.12, 2, 8	0.03, 0.12-0.25, 2, 8
Piperacillin/Tazobactam	8/4	4/4-8/4	-
Rifampin	1-2	1-2	1-2
Streptomycin Synergy Screen	1000	1000	1000
Synercid	0.5-2	-	1-2
Tetracycline	4-8	4-8	4-8
Tigecycline	0.25-1	-	0.25-0.5
Trimethoprim/Sulfamethoxazole	0.5/9.5-2/38	0.5/9.5-2/38	0.5/9.5-2/38
Vancomycin	0.25-16	0.5-16	0.5-16
<b>Total antibiotic tests/panel</b>	<b>33</b>	<b>27</b>	<b>26</b>

See how Beckman Coulter microbiology solutions are helping clinical laboratories in the fight against antibiotic resistance. Contact your local sales representative.

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