

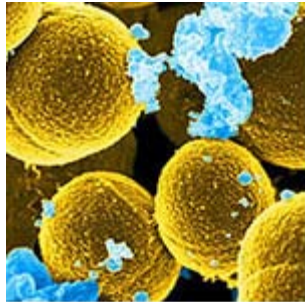


February 2016

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microscoop



ATCC Multidrug-Resistant Microbial Panels

Antimicrobial resistance is currently recognized as one of the greatest threats to human health worldwide. In the United States alone, at least 2 million people become infected with antibiotic-resistant bacteria, with approximately

23,000 associated deaths each year¹. In the

last several decades, this concern has become more pronounced with the emergence of multidrug-resistant organisms in both community- and hospital-acquired infections, resulting in increased morbidity, mortality, and healthcare expense.

ATCC understands the danger and growing concern behind the spread of MDR strains. To aid in the prevention and treatment of MDR-associated infections, we offer a variety of multidrug-resistant microbial panels. Each panel comprises cultures grouped together based on genetic or phenotypic markers of drug resistance, including vancomycin-resistant enterococci, methicillin-resistant *Staphylococcus aureus*, and carbapenem-resistant Enterobacteriaceae:

- Vancomycin-Resistant Enterococci Microbial Panel ([ATCC[®] MP-1[™]](#))
- SCC_{mec} Type MRSA Panel ([ATCC[®] MP-2[™]](#))
- Pulsed-Field Type MRSA Panel ([ATCC[®] MP-3[™]](#))
- Antifungal Susceptibility Testing Panel ([ATCC[®] MP-5[™]](#))
- *Candida albicans* Drug Resistance Panel ([ATCC[®] MP-8[™]](#))
- NDM-1 Panel ([ATCC[®] MP-18[™]](#))
- Drug-Resistant *Pseudomonas aeruginosa* Panel ([ATCC[®] MP-23[™]](#))
- KPC Strains Panel ([ATCC[®] MP-24[™]](#))

Visit us online to browse our [microbial panels](#), or to learn more about our complete solutions for [multidrug resistance research](#).

Reference:

1. CDC. Antibiotic/Antimicrobial Resistance, <<http://www.cdc.gov/drugresistance/>> (2014).



Application Note: ATCC Minis Support

VITEK[®] 2 Quality Control Testing

To provide convenient reference materials for fast, accurate microbial identification using the VITEK 2 system, ATCC has expanded its collection of quality control strains to include bacterial and fungal isolates in the Minis frozen format. In this study, we demonstrate the application of ATCC Minis as quality control strains for microbial identification on the VITEK 2 platform using ANC, BCL, CBC, GP, GN, NH, and YST Streamlined QC Sets as examples.

[Download the application note](#)



Webinar: Carbapenem-resistant

Enterobacteriaceae (CRE) – A Growing Superbug Population

In this presentation, Dr. Wilder will discuss the emergence of multidrug-resistant infections with a particular emphasis on the emergence and global spread of carbapenem-resistant Enterobacteriaceae strains.

May 5, 2016

10:00 AM & 3:00 PM ET

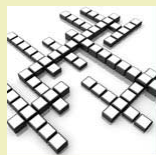
[Register for the webinar](#)



Quiz the Scientist

I am a slow growing species that has been recently associated with isoniazid resistance. Can you guess what I am?

[Click here for more clues.](#)



ATCC Puzzle

Test your microbial expertise with the ATCC puzzle!

[Download the puzzle](#)

Still puzzled?

Publications

- [ATCC Culture Guides](#)
- [Carbapenem-Resistant Strains](#)
- [Multidrug Resistant & Antimicrobial Reference Strains](#)

[View the answers to last month's puzzle.](#)



Frequently Asked Questions

Q: What is the purpose of the Hodge test?

A: The Hodge test is a phenotypic confirmatory test for "carbapenemase" activity. Carbapenemases confer resistance to all beta-lactams including penicillins, extended spectrum cephalosporins, monobactams, and carbapenems. This is important information for clinical laboratories that must determine if a bacterial strain is resistant to these types of antibiotics.

[Have more questions?](#)

Quality Control

Assay Development

Multidrug Resistance

Microbiology Resources

View from the Petri Dish

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