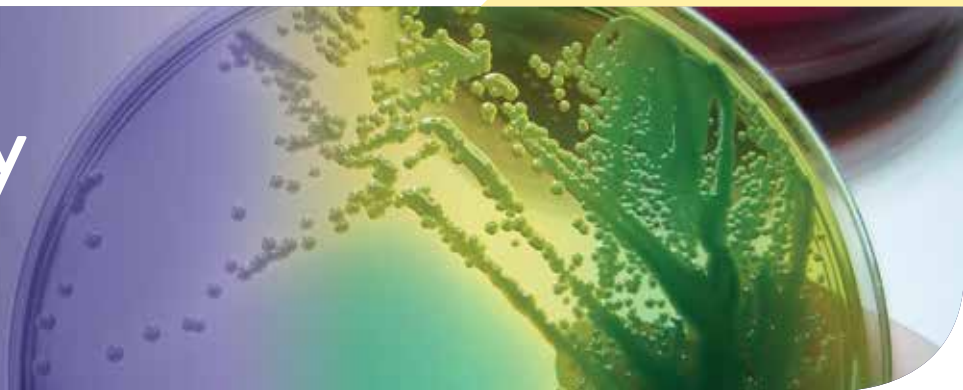


# Global Priority Superbugs



Molecular Detection



## Enhance your antimicrobial resistance research efforts

ATCC has assembled a new collection of clinically relevant and extensively characterized multi-drug-resistant isolates with validated genotypic and phenotypic activity against a variety of critical drug classes. With each strain in the new ATCC® Global Priority Superbugs collection, you can expect:

- Susceptibility data – MIC values and susceptibility profiles for targeted drugs
- Genetic data – NGS-assembled whole genome sequence with predicted annotated antibiotic resistance and rRNA genes
- Source information – Data such as geography, collection date, and collection site

Assay Development



Each multidrug-resistant strain delivers expanded levels of source metadata and genomic characterization, creating essential tools for all stages of the discovery and development process for novel antimicrobials and therapeutics, molecular-based detection assays, and updated sterility protocols.

## Get your research started faster

With the ATCC® Global Priority Superbugs collection, we have taken the guesswork out of strain selection! Using our new selection tool, you can quickly browse the collection by:

- Gene activity
- Annotated gene
- Drug class
- Drug type

Novel Antimicrobials



Make fast, intelligent choices by cross-comparing strains by species, antimicrobial susceptibility profiles, isolation sources, collection dates, and biosafety levels to quickly narrow down results with this comprehensive and easy-to-use search tool.

## Support research on priority pathogens

In response to the growing levels of antimicrobial resistance among pathogens, the World Health Organization prepared a list of priority pathogens in 2017 to help direct research and development efforts toward the production of novel drugs. This list is organized into critical (1), high (2), and medium (3) priority levels.

To support these efforts, ATCC provides strains within the ATCC® Global Priority Superbugs collection that represent critical priority 1 pathogens:

- *Acinetobacter baumannii* – carbapenem-resistant
- *Pseudomonas aeruginosa* – carbapenem-resistant
- *Enterobacteriaceae* – carbapenem-resistant, 3rd generation cephalosporin-resistant

Innovative Therapeutics



As the ATCC® Global Priority Superbugs collection expands, ATCC will continue to seek out additional strains that represent pathogens within each of the priority levels. Make sure you check back often for new additions!

Sterility Protocols



To learn more about the ATCC® Global Priority Superbugs collection and our selection tool, visit us online at [www.atcc.org/GlobalPrioritySuperbugs](http://www.atcc.org/GlobalPrioritySuperbugs).

## A portfolio of products to meet your needs

Intelligent research and reliable data starts with consistent controls. Whether you are developing innovative molecular-based detection methods, evaluating antibiotic susceptibility profiles, designing novel therapeutics, or testing clinical settings for contamination, ATCC has the dependable products and services you need to advance your research, including:

- Antimicrobial-resistant strains isolated from clinical and environmental sources
- Microbial panels comprising drug-resistant microorganisms
- Primary cells for drug toxicity screening studies
- Media, reagents, and growth kits that support cellular expansion

Additionally, ATCC has a long history of experience with biomaterial services and management, cell and microbial authentication, preservation and storage, and international shipping. By collaborating with ATCC, you will gain access to our wide range of services and customized solutions, including:

- Cellular and microbial expansion (MCB, WCB)
- Small- and large-scale production of nucleic acids
- Quantification (titering, qPCR, ddPCR™)
- Inactivation of microbial strains
- Viral purification
- Cell line authentication (STR analysis, CO1 testing, mycoplasma testing)
- Cell derivation (primary, hematopoietic, iPS cells)
- Biorepository Services<sup>SM</sup> with global distribution
- Patent deposit service

Visit us online at [www.atcc.org/Services](http://www.atcc.org/Services) to learn more, or visit us at [www.atcc.org/GlobalPrioritySuperbugs](http://www.atcc.org/GlobalPrioritySuperbugs) browse the ATCC® Global Priority Superbugs collection today!



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