

BIOMÉRIEUX

# GENE-UP® TYPER

Now You Know  
Insightful Typing Made Accessible



Your Trusted Partner in Augmented Diagnostics

PIONEERING DIAGNOSTICS



# GENE-UP® TYPER: From PCR to Strain Typing

As part of our Augmented Diagnostics approach, GENE-UP® TYPER plays a critical role in risk management. This real-time PCR assay utilizes probabilistic typing of specific microorganisms to help identify the root cause of contamination and prevent future occurrences. Recurring batch destruction and production stoppage can hurt your bottom line. Incorporating GENE-UP® TYPER into your routine testing allows you to proactively manage pathogen risk.



## Have I seen this strain before?

*Now You Know... What It Is*

Build a strain database for quick comparison with previous events.



## Is this a true contamination or a lab cross-contamination?

*Now You Know... Where It Comes From*

Identify the root cause of contamination.



## Is this a persistent strain in my factory?

*Now You Know... What To Do*

Follow your strain diversity and evaluate which have been growing in your environment to take the right actions.



## How can I help minimize damage from a contamination?

*Now You Know... Faster*

Make impactful decisions within 2 hours from an isolated colony.

## The Power of Pathogen Mapping

### Make your data even stronger — combine GENE-UP® TYPER results with Pathogen Mapping.

Thanks to Whole Genome Sequencing (WGS), Pathogen Mapping allows you to analyze strain mutations over time by tracking the number of changes. This helps provide an idea of how long and how well a particular microbe has been growing in your environment, as well as insight on the potential Biocide resistance of the strain.

bioMérieux can give you recommendations on how to control pathogens using GENE-UP® TYPER as a first step and Pathogen Mapping to deep dive into your data.

# How it Works





# Start Your Typing Journey No Matter Your Current State



## You have performed Whole Genome Sequencing and built a strain database.

Directly translate into GENE-UP® TYPER results.



## You haven't performed Whole Genome Sequencing, but you have a biobank.

Run GENE-UP® TYPER and/or Pathogen Mapping to generate your historical strain database.



## You haven't performed Whole Genome Sequencing, and you don't have a biobank.

Build your strain database progressively by performing GENE-UP® TYPER and/or Pathogen Mapping.



## Want to proactively avoid pathogen recurrence in your facility?

Contact your local bioMérieux representative about GENE-UP® TYPER and learn more on our website.