



# BIOMÉRIEUX LABORATORY OPTIMIZATION

*Innovative. Concise. Straightforward.*



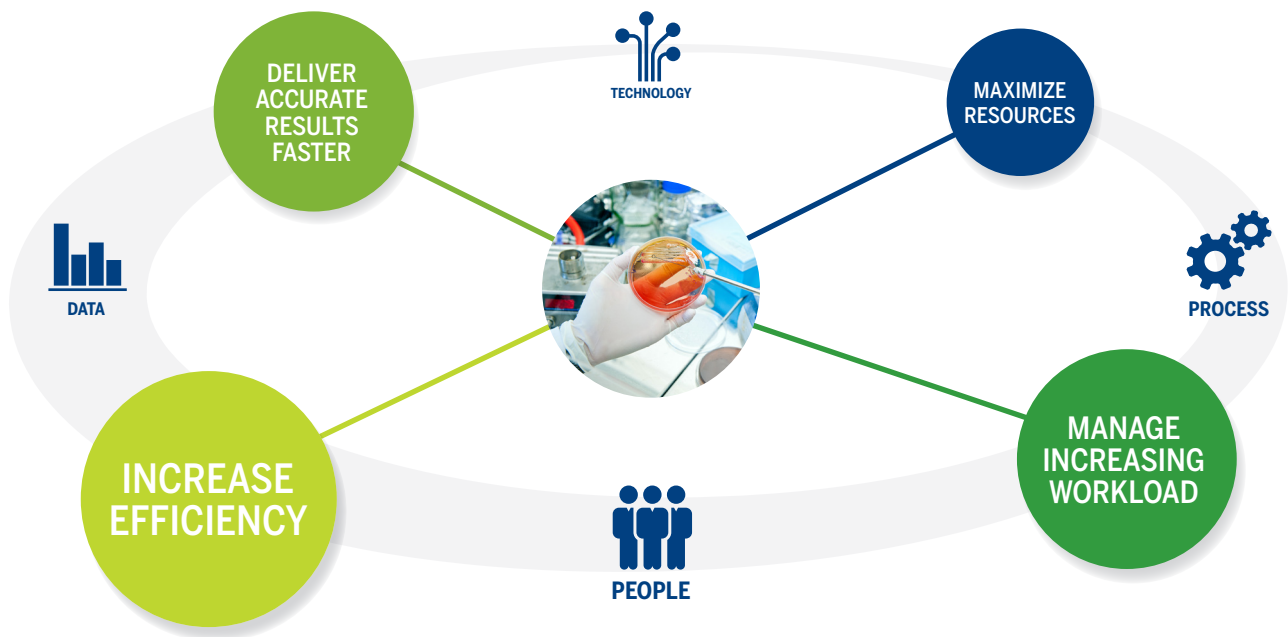
PIONEERING DIAGNOSTICS



# RETHINKING THE POSSIBILITIES OF CHANGE

## CHANGE STARTS WITH UNDERSTANDING

We collaborate on a plan for transformation based on four main dimensions for action: **people, process, technology, and data**. Together, we develop and implement solutions that respond directly to your particular challenges.



## Microbiology Volumes are Growing Exponentially, While Laboratories Face Pressure to Deliver Faster Results.

- Microbiology is becoming **more complex**
- Shortage of skilled laboratory professionals causes technologists to work harder and with **more stress** than ever before
- With increased workload laboratories **face pressure** to deliver accurate results
- New instrumentation drives the need for new processes that may **require around the clock staffing**
- Data is retrospective: an **inordinate amount of time** is spent collecting and organizing data

## WE UNDERSTAND YOUR CHALLENGES

All members of our laboratory optimization team are experienced microbiologists, with the expertise to help you maximize the potential of your laboratory.



## PARTNER WITH US IN CHANGE

We guide you through the process and collaborate with you to make decisions for now and the future.

## CHANGE CAN BE SIMPLE

### DIAGNOSTIC

We complete a technology and laboratory performance review to know your current state.

### SOLUTION

We collaborate with you to formulate a strategic plan focused on workflow and resources intended to transform your laboratory.

### ACTION PLAN

We make it happen by optimizing lab processes, technology, and staff to deliver increased efficiency and reduced turn-around time.

### PARTNERSHIP

Together, we develop, implement, and manage daily improvements that respond directly to your particular challenges.

### LAB PERFORMANCE

We provide tools to help you measure, monitor, and leverage performance metrics for on-going success.

## bioMérieux's Lab Optimization Team evaluated the current blood culture process at a large medical center and:

- Established a current state
- Integrated MALDI-TOF technology (VITEK® MS), VITEK® 2, and BACT/ALERT® VIRTUO® as part of the re-designed process
- Created standard of work across day and evening shifts that helped to improve quality, time to result, and consistency

Case Study data on file, bioMérieux, Inc.



### ↓ 70 Hours Turn Around Time

Turnaround time from blood culture specimen arrival in the lab to final positive result was decreased from 121 hours to 51 hours.

### ↑ 90% Quality

Implementing multiple periodic readings per day vs. one reading per day allows for increased efficiency and quality in the downstream process of identification and susceptibility testing.

### ↑ 28% Efficiency

Many non-value added steps were removed in the process.



# CHANGE TOGETHER IS EASIER



As your partner, bioMérieux helps you look at your lab from a different angle. Our **Laboratory Optimization Services** combines management principles like LEAN Six Sigma, Kaizen, and 5S with our microbiology expertise to enable you to:

## OPTIMIZE RESOURCES

- Improve throughput
- Maximize performance
- Eliminate unnecessary processes

## MANAGE GROWING WORKLOADS

- Streamline processes
- Enhance productivity
- Allocate resources according to workload variations - even the unexpected

## IMPROVE OUTCOMES

- Reduce turn-around time
- Ensure high-quality results
- Reduce human errors

## ENHANCE HUMAN RESOURCE MANAGEMENT

- Reduce stress and improve staff satisfaction and commitment
- Improve workplace ergonomics and eliminate unnecessary movements
- Develop internal skills to identify improvement opportunities

*To learn more, visit:*

[www.biomerieux-usa.com](http://www.biomerieux-usa.com)



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