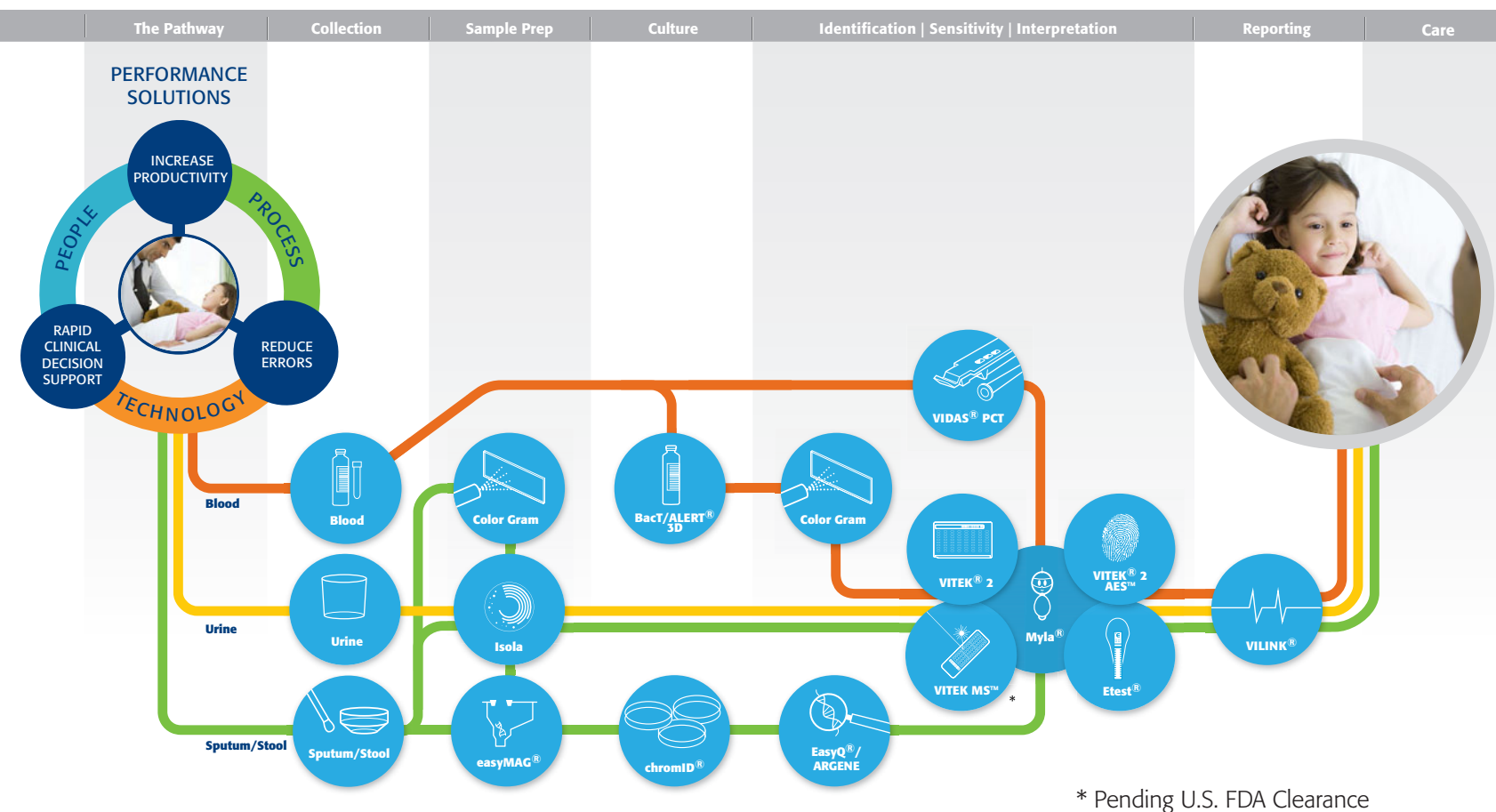




THE MICROBIOLOGY PATHWAY: Optimizing Collection to Care



Best-in-class technology, diagnostics, and optimization

As the world leader in microbiology laboratory solutions, bioMérieux offers the industry's most-trusted technology and expertise for all types and volumes of specimens. Rapid turnaround times, improved productivity, and reduction of errors are enabled through workflow optimization and best-in-class technology solutions, including an ID/AST system that stores, interprets, and reports test results with unparalleled speed, precision, and accuracy to significantly improve patient outcomes.

Learn more at www.microbiologypathway.com.



What is your ID doctor's
most trusted resource?

THE MICROBIOLOGY PATHWAY: Optimizing Collection to Care

The Microbiology Pathway depicts bioMérieux’s complete approach to improving efficiencies and enhancing technology for microbiology labs of all sizes. A key component of The Microbiology Pathway is a comprehensive ID/AST system that stores, interprets, and reports test results with unparalleled speed, precision, and accuracy.

Etest®

Etest® is a predefined, stable gradient of 15 antibiotic concentrations on a plastic strip. Using innovative dry chemistry technology, Etest determines the on-scale Minimum Inhibitory Concentration (MIC) of antibiotics, antifungal agents and anti-mycobacterial agents. More than 100 antimicrobials are available in the product range for testing of aerobic bacteria and fastidious organisms.

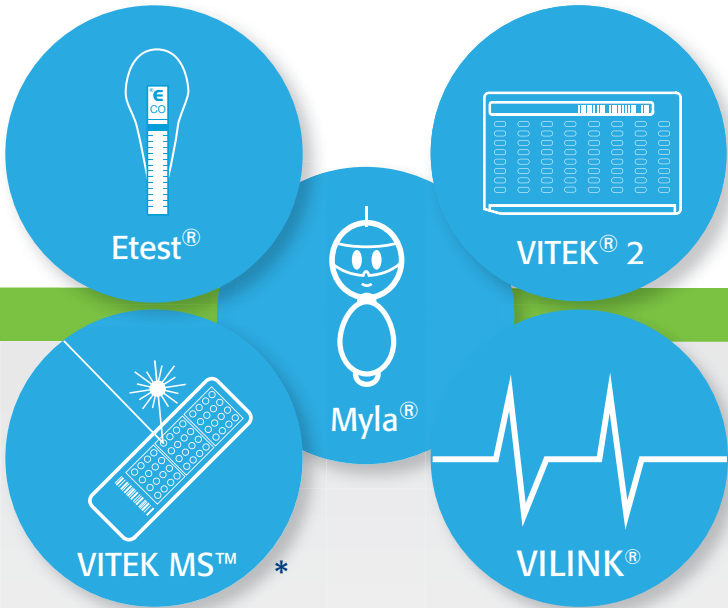


VITEK 2™

Best-In-Class Technology Makes It More Than a Workhorse

With an expanded identification database and the most automated platform available, VITEK® 2 is your lab’s powerhouse for rapid, complete, and accurate ID/AST:

- results in 4-8 hours enable targeted therapy sooner
- broadest range of GN AST cards includes the industry’s only FDA-approved three-drug yeast susceptibility card
- ergonomically sound automation that enhances workflow and minimizes waste
- immediate capability to integrate with your lab’s LIS and improve connectivity.



vilink™

VILINK® is an on-line, highly secure connectivity environment that optimizes instrument ‘up time’ to improve laboratory productivity. It provides immediate access to the latest instrument application/analysis enhancements to further improve testing accuracy, and rapidly resolves platform issues to minimize the need for labor-intensive, off-line back-up testing procedures.

myla

Myla® is an innovative software solution that simplifies lab operations by improving connectivity, workflow and information management. The system offers an actionable picture of a lab’s workflow that rapidly impacts patient management with an intuitive dashboard and virtual workstations that enable lab personnel to recapture their time. Flexible, scalable, and versatile, Myla is designed to establish synergy with a facility’s existing Lab Information System (LIS) to improve broader access to patient data.



COMING
SOON



VITEK MS™

Where the routine becomes extraordinary

VITEK® MS* is an automated mass spectrometry and software system designed for rapid microbial identification, using innovative matrix-assisted laser desorption ionization-time of flight technology (MALDI-TOF). VITEK MS is easy-to-use and integrates seamlessly into your lab’s workflow.

* Pending U.S. FDA Clearance

VITEK 2TM

Workflow For Any Lab

"Our VITEK 2 instruments are true work-horses. Our instruments run at capacity almost every day.

There is very little downtime with these instruments which is essential in the delivery of time-sensitive, quality patient care."

Denise Nenninger
Team Leader, Network Microbiology
St. Joseph Health Center
St. Charles, Missouri

Rapid same-day results

- AST results in 4-8 hours
- Allows targeted therapy sooner
- Impacts patient care.

Improved connectivity

- Connect up to four VITEK 2 instruments to one PC
- Connect Multiple Smart Carrier Stations to each instrument
- Display preliminary AST results
- Streamlined QC option.

Innovative and immediate integration

- Instant data updates from Smart Carrier Stations through VILINK[®]
- Myla[®] software immediately connects to existing LIS and HIS, to support rapid clinical decisions.

Expanding ID/AST Menu

- The broadest range of GN AST cards
- FDA-approved three-drug yeast susceptibility card
- Automatic ESBL confirmation, Cefoxitin MRSA screen, and ICR (D-test).

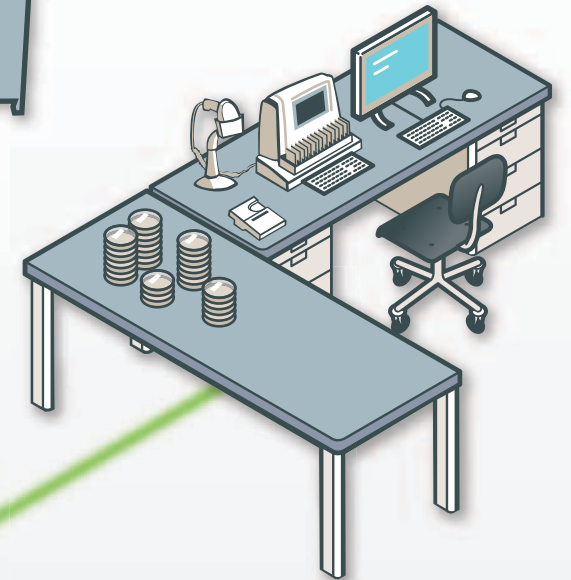
Streamlined workflow

- Minimum preparation
- Optimum traceability
- Complete automation once cassettes are loaded.

myla

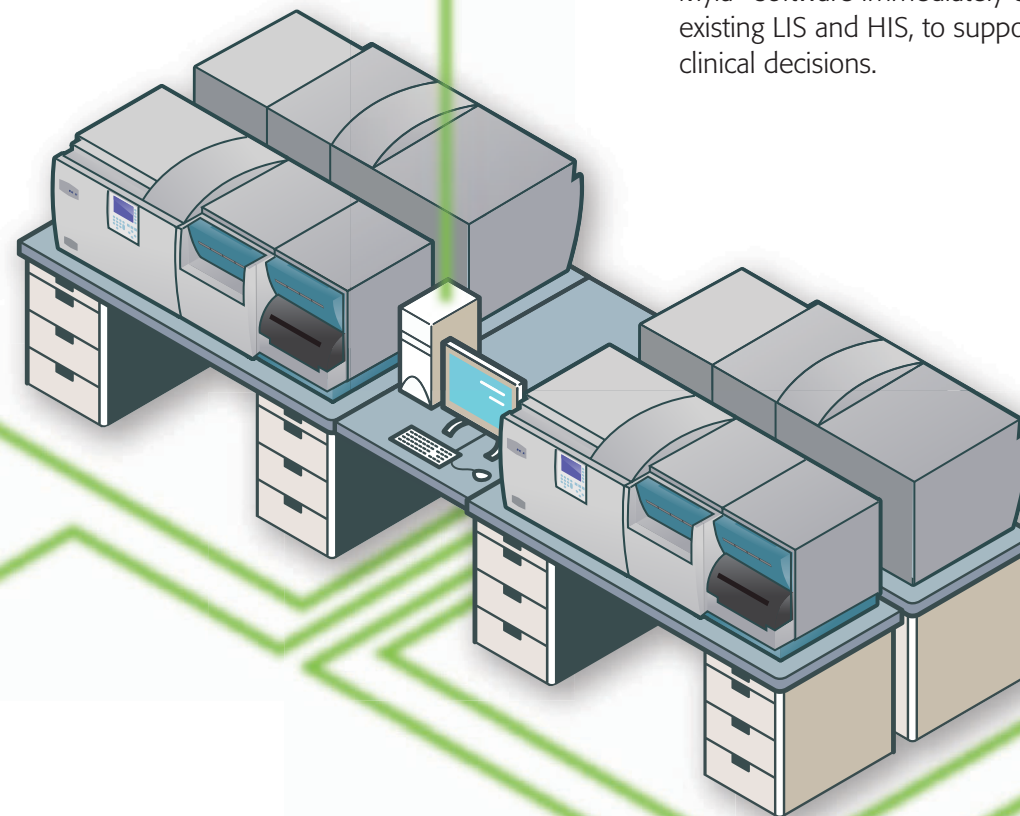
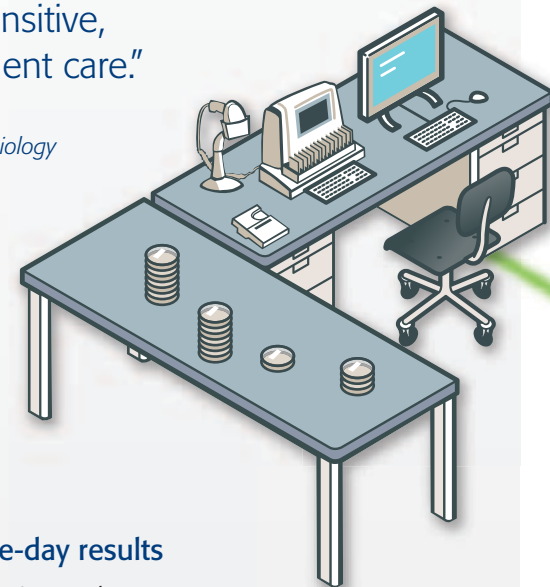
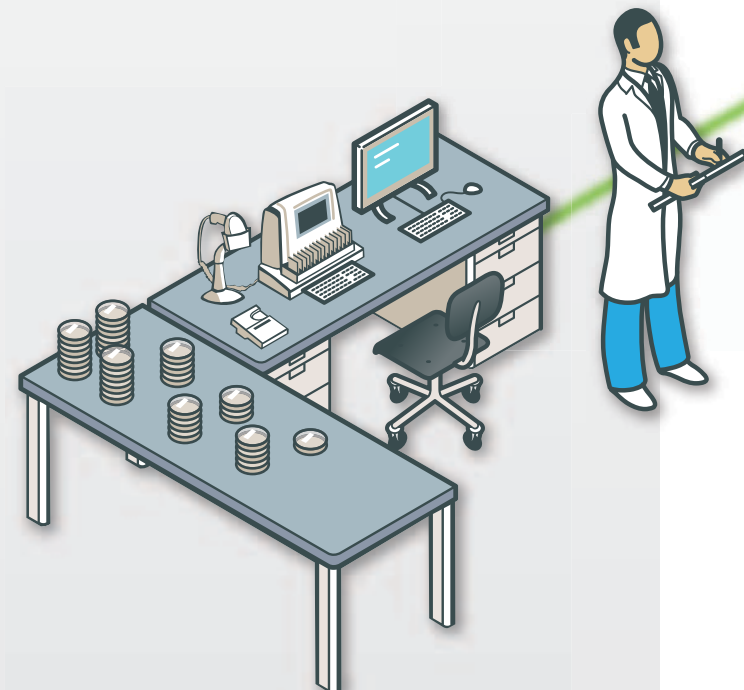
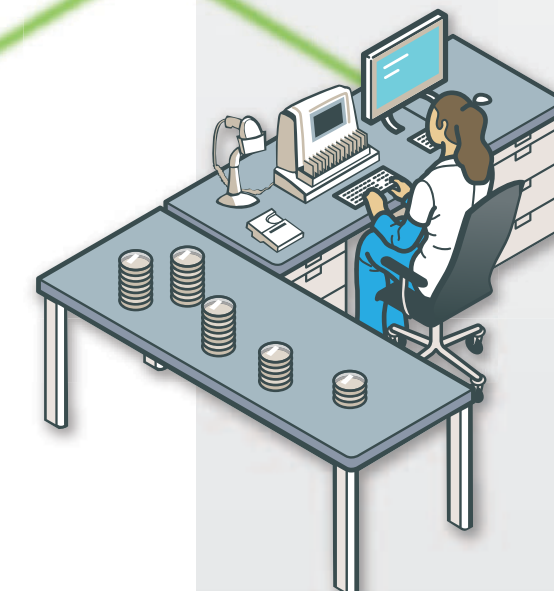
LIS

HIS



"For all laboratories, regardless of size and type of staffing, the availability of the VITEK 2 system and AES could have **a very positive impact on both the work flow and the quality of the information** leaving the laboratory."

Dr. Christine Sanders, *Journal of Clinical Microbiology*, July 2001, p. 2379-2385 Vol. 39, No. 7 Copyright © 2001, American Society for Microbiology. All Rights Reserved.





The Fastest Total Time To Result

VITEK® 2 is the automated solution to help improve patient care and outcomes by delivering fast, actionable information.

- A revolutionary approach to microbiology workflow
- The industry's shortest hands-on time
- The industry's fastest turn-around time
- Auto-posting.

A 5-hour difference in turnaround time can make a big impact:

Average Length of stay was reduced by 2.0 days.

Average cost savings was \$1750 per patient.

AUTO-POSTING VITEK® 2 RESULTS FROM POSITIVE BLOOD CULTURES TO THE LIS



IDENTIFICATION OF NON-ALBICANS CANDIDA SPECIES



Vincent J. LaBombardi, Ph.D., Director of Microbiology at Mount Sinai Medical Center in New York.

"This decrease in TAT is significant and has been acknowledged by our clinicians."

Under the direction of **Vincent J. LaBombardi, Ph.D.**, Director of Microbiology at Mount Sinai Medical Center in New York, the lab there sets up its isolates throughout the day and allows the results to be directly auto-posted onto its LIS.

"The VITEK 2 is vital in getting Micro IDs and sensitivities information turned around for patient care and length of stay."

Richard L. Wong, CLS, M.T.(ASCP)
Administrative Director Pathology/Clinical Laboratory
Dameron Hospital Association
Stockton, CA

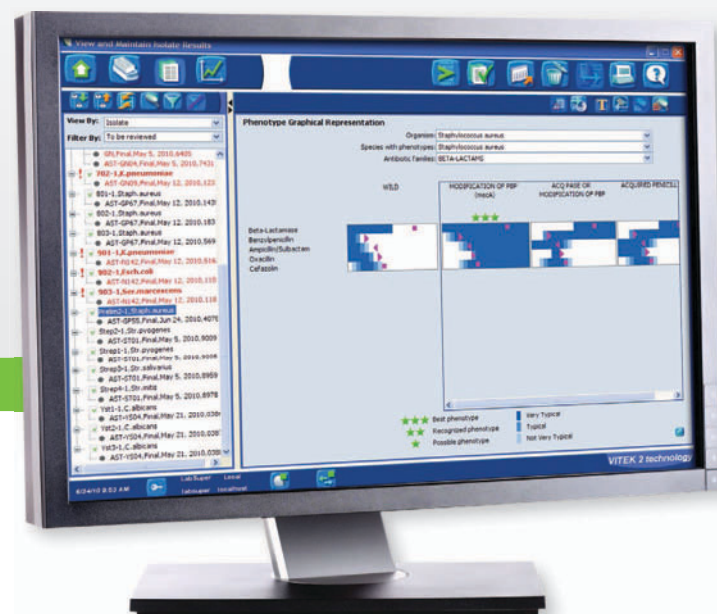




VITEK 2™ Results You Can Trust.

Results you can trust: Cutting-edge Advanced Expert System™ (AES)

- Database of more than 3,500 phenotypes and 30,000 MIC distributions
- Fingerprint match for 100% confidence
- Automatic and systematic validation of every AST result
- Colored confidence indicators for easy and consistent review
- Auto-post high confident results to LIS right away for faster targeted therapy.



-  Results with a green light
-  Results with a yellow light
-  Results with a red light
-  Results with a purple light

Green: Indicates isolates fit an expected pattern for a defined phenotype. Results can be rapidly and confidently released with little or no intervention by technicians.

Yellow: Indicates an MIC value does not fit the expected pattern for a previously defined wild or resistant phenotype. The antibiotic is flagged for follow-up.

Red: Indicates an MIC pattern for the tested isolate that could not be matched. Isolate results are stopped review to ensure that ambiguous results are not reported.

Purple: Indicates organisms that do not have predefined wild and/or resistant phenotypes in the database. Isolate results are stopped for review.

Everything You Need. Nothing You Don't.

	COMPETITOR 2	VITEK® 2	
Waste from 30 isolates (weight in lbs)	12.3	5.4	127% less waste
Cost Disposal \$0.25/lb	\$2.96	\$1.06	180% lower cost

D.H. Larone, L.J. Tucci, D.O. Samide: Time Study of Three Automated Systems for the identification and Susceptibility of Bacteria ASM, C-279 May, 2000.

VITEK® 2

0.45% Saline
12 x 75 Poly Styrene Tube
ID/AST cards

COMPETITOR 1

ID Inoculum Broth
Susceptibility Broth
AST Indicator
Combo Test Kit
Inoculation Port Plug
Dispensing Tube
Sealer
ID Panel
AST Panel
Redox Indicator*

COMPETITOR 2

0.5% N,N-Dimethyl-alpha-naphthylamine*
0.8% Sulfanilic Acid*
0.85% Saline
10% Ferric Chloride*
40% Potassium Hydroxide*
5% Alpha Naphthol*
Kovac's Reagent*
Incoculum Water 3 ml
Pluronic Inoculum Water 25ml
Brain Heart Infusion Broth 0.5 ml
Cover Tray
Mineral Oil
Prompt Inoculation system
RENOK tray
Seal Strips
WalkAway Bar Code Label Paper
WalkAway Tray Lids
MicroScan Combo Panel

*Reagents with MSDS warnings

"VITEK 2 has enabled increased productivity with greater confidence among the general technologists in our small lab. We also improved our patient care with faster turnaround times on AST testing to make sure our patients are on the right antibiotics, leading to shorter lengths of stay in the hospital."

Marty Hinkel, MT (AMT), Diagnostics Manager (Lab/Imaging) Washakie Medical Center, Worland, WY

The Broadest Coverage From The Industry Leader.

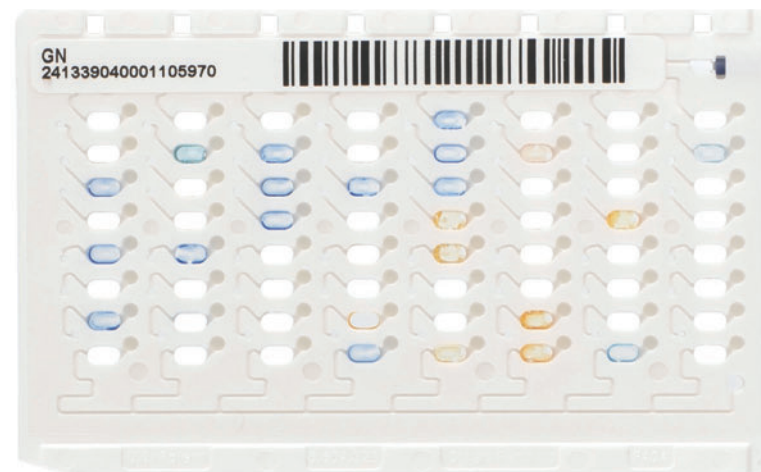
Technology You Can Trust.

Antibiotic Susceptibility Testing

- Gram positive antimicrobial susceptibility testing (AST) cards
- Gram negative AST cards
- The industry's ONLY FDA-cleared three-drug yeast susceptibility card
- **New *Streptococcus* species AST card with expanded coverage**

Identification

- GN ID Card: Gram Negative bacterial identification
- GP ID Card: Gram Positive bacterial identification
- YST ID Card: Yeast identification
- NH ID Card: Neisseria, Haemophilus and other fastidious Gram negative bacteria identification
- ANC ID Card: Anaerobic bacteria and coryneform bacterial identification.



Sealed test cards
minimize aerosols,
splattering and spills, and
personal contamination

VITEK 2 cards are the
size and shape of a playing card
and contain 64 microwells. Each well contains
identification substrates or antimicrobials.

VITEK 2™ — compact

- capacity options of 15, 30, and 60 cards per cassette
- 23.6" x 28.3" x 26.8" (60 x 72 x 68cm)
- 165 lb. (approx. 75 kg)

VITEK 2™

- Holds up to 60 test cards
- Smart Carrier Station assures alignment of test card and patient sample number
- 26" x 39" x 28" (67 x 100 x 71cm)

VITEK 2™ XL

- Holds up to 120 test cards
- Includes two Smart Carrier Stations
- 26" x 55" x 28" (67 x 140 x 71cm)

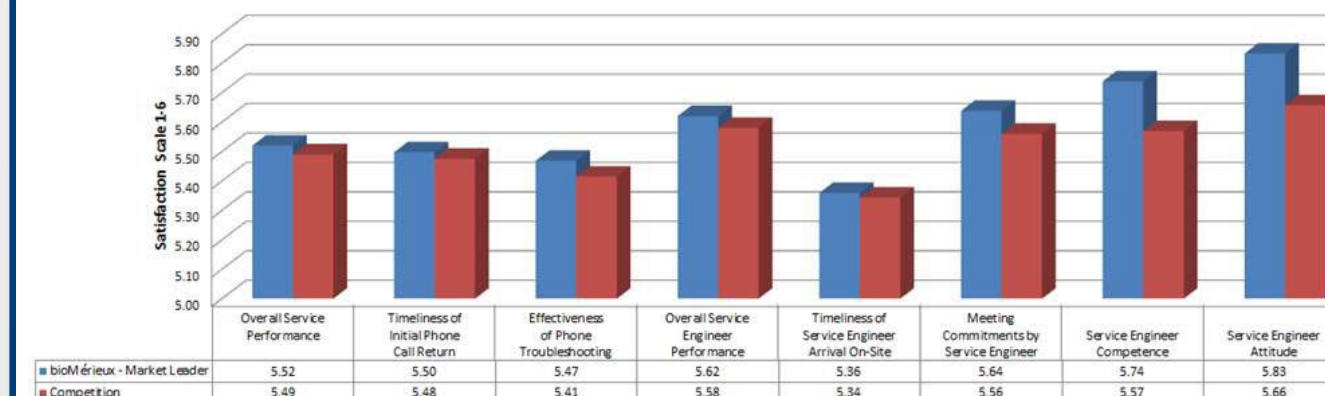


"As a bioMérieux customer
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Jean B. Garrett MT(ASCP)SM
Microbiology Technical Manager
Clinical Laboratories HCA Central Virginia



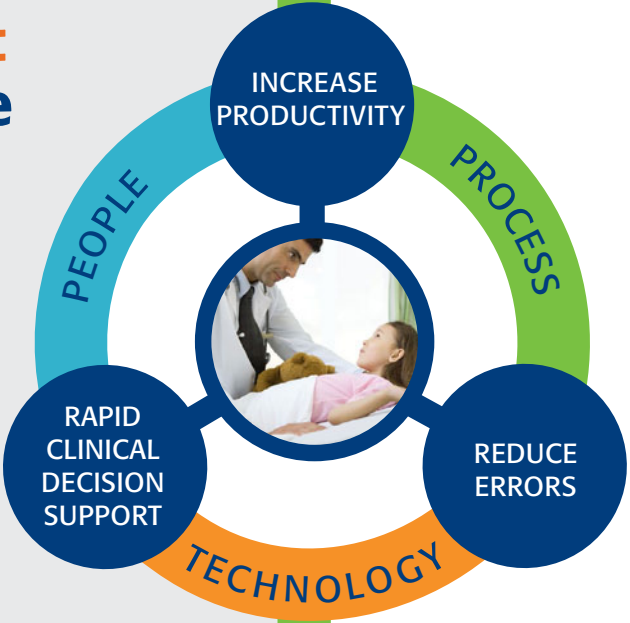
*Satisfaction results from 2012 IMV Ltd ServiceTrak Clinical Diagnostics – ID/AST Systems. Survey resulted from non-biased 3rd party market research firm, funded by all participating manufacturers. ID/AST survey included 499 respondents (bMx =246, competitor = 253) and satisfaction is rated on a 1-6 scale: 1=Very Poor; 2=Poor; 3=Fair; 4=Good; 5=Very Good; and 6=Excellent.

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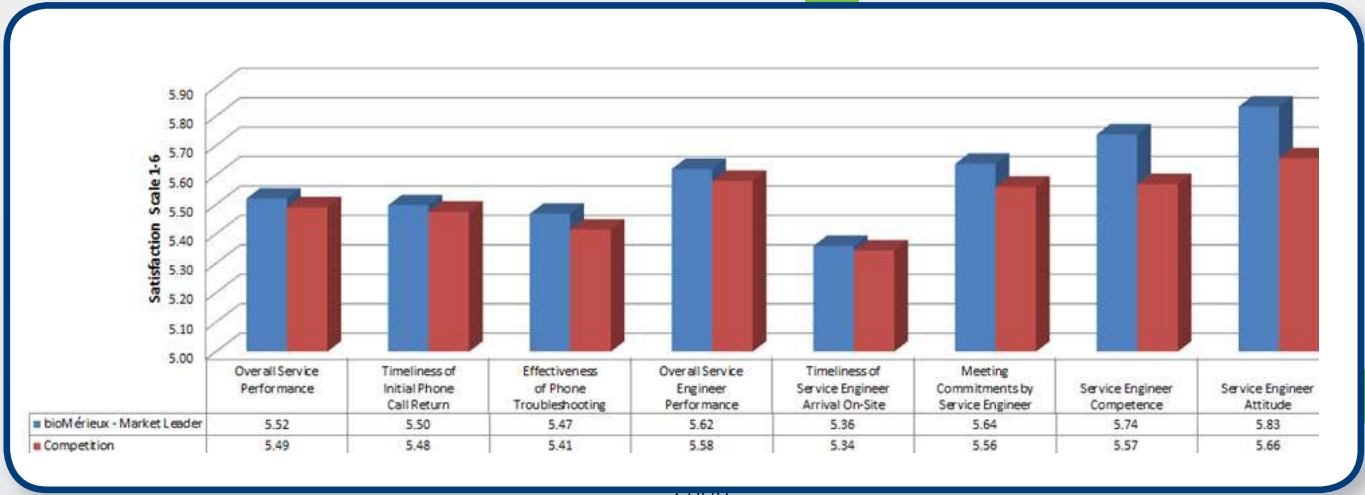


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