

VITEK 2[™] —compact



The Compact Solution



Putting the Patient First

Antimicrobial resistance is threatening to significantly reduce the available arsenal of antimicrobials. As a microbiologist, you play a crucial role in providing information that leads to improved **therapeutic success** and **patient outcome**⁽¹⁾ – an increasingly difficult task given the rise in antimicrobial resistance. Helping the clinician select the **best treatment fast** based on the **right identification and resistance information** is crucial.

With VITEK 2 Compact, you can accomplish all this in **less time** and still focus on those tough tasks requiring a microbiologist's specialised skills. This **highly automated** system provides same-day identification and antibiotic susceptibility results.

Same day results

VITEK 2 Card - A unique concept in ID/AST

- Designed to provide ID/AST results in as little as **5 to 8 hours**.⁽²⁾
- Reduced hands-on time, **no additional reagents** are required
- Optimised user **safety** as it is a closed disposable
- Maximum traceability** provided with the pre-applied card barcodes
- Lightweight reduces disposable costs**



In just 3 easy steps

Standardization

After primary isolation, handling is minimized in a simple **inoculum preparation**, **standardization** and **dilution** step. The standardized inoculum is placed into the cassette and a sample identification number is entered into the computer software via barcode.

Traceability

The VITEK 2 card type is then read from the barcode placed on the card during manufacture and the card is thus connected to the sample ID. Manufacturer barcodes link the card to patient information in **this one easy barcode reading step**.

Load and Go

Place the cassette in the filler module. When the cards are filled, transfer the cassette to the reader/incubator module. All subsequent steps are handled by the instrument.



VITEK 2[™] —compact



ID/AST Load & Go

Reduce Hands-on-Time
Improve your Workflow



VITEK 2[™] Advanced Colorimetry[™]

Get it right!

A unique identification technology to enhance performance

Over 98% of routine clinical isolates identified with a single system

- Over 600 colorimetric substrates tested
- Highest discrimination between species
- Lowest rate of multiple choice and misidentified species
- Low rate of off-line tests

Report it rapidly!

A unique concept for same day results

- Test card read kinetically every 15 min for optimum time to result
- Mean time to result between 6 to 8 hours

- Highest level of automation
- No reagent addition
- Closed disposable for optimal user safety
- Pre applied card barcodes for maximum traceability



Advanced Expert System[™]

A unique interpretation software to ensure confidence in results

- MIC values**, a universal standard that enables low level resistance detection
- Clinical interpretation** to guide the most potentially successful treatment
- Resistance oriented results** which highlight resistance including unusual phenotypes
- Deduced antibiotic** results to meet specific physician requirements
- Automated result validation**, through consistent checking of identification and susceptibility antibiotic testing

UNPARALLELED POWER

- 100,000 reference database
- more than 2,000 referenced phenotypes
- 20,000 MIC distributions

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Results at a Glance!

We have designed the VITEK 2 software to help you get your results out fast.

- Intuitive, easy-to-use**, familiar Windows-design layout
- Easy access** to ID and AST results using the navigation tree and filters
- Rapid result searches** by patient, bench, date tested, organism, technologist, accession number
- Simple bidirectional connection with your LIS
- Automatic validation and transfer** of preliminary results



Antibiotic Choice Made Easy

To facilitate choosing the most appropriate antibiotic, bioMérieux has developed the **Advanced Expert System[™] (AES)** to provide rapid, accurate "fingerprint" recognition of bacterial resistance mechanisms.

- fully consistent results
- consistent result with correction, review required
- unknown phenotype, check results
- phenotype not in database

AES even recommends therapeutic changes when resistant phenotypes are recognised to help ensure therapeutic success.

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(1) Barronfenger et al, JCM, May 1999, Vol 37, No 5
(2) Romenik, et al, Poster C-123, ASM Orlando, May 2006