



VITEK[®] 2 ID & AST CARDS

Reliable • safe • rapid



PIONEERING DIAGNOSTICS

FOCUS ON WHAT MATTERS

RESULTS YOU CAN TRUST

The VITEK® 2 ADVANCED EXPERT SYSTEM™ software lets you focus your time where it is most required in the lab. The ADVANCED EXPERT SYSTEM™ validates every result and quickly identifies those truly needing a Microbiologist's valuable time and attention. This allows the majority of results to be quickly and confidently reported to clinicians without need for review^{2,8,11,13,15}

EFFICIENCY THROUGH AUTOMATION

VITEK® 2 cards offer the shortest preparation time in the industry, considerably reducing labor costs^{1,3,7,9,10,14}. They also have the least contaminated waste, offering up to 64% cost savings for disposal compared to other systems^{6,10,12}. The cards provide increased standardization and automated, same-day results helping clinicians to optimise antibiotic therapy sooner^{2,3}.



Designed for **VITEK® 2** automated systems, **VITEK® 2** identification (ID) and susceptibility (AST) cards provide reliable and accurate results for clinically important bacteria and yeasts^{1,2,4,5}



VITEK[®] 2 ID & AST CARDS

Rapid, Flexible, Efficient

Each self-contained, disposable test card provides rapid and accurate species-level identification or susceptibility results with accurate MICs* based on reference CLSI** and ISO *** MIC methods and EUCAST****, US FDA*****, or CLSI[®] breakpoint interpretations^{1,3,4,5,7,8,10}.

INNOVATIVE AND FLEXIBLE DESIGN

- Each card contains microwells with biochemicals or antimicrobials
- Ready and simple to use
- Pre-applied barcodes for maximum traceability
- EUCAST and CLSI compliant AST formulations available

UP TO 50% FEWER PREPARATION STEPS THAN OTHER SYSTEMS^{3,9,10}:

- Inoculation with a simple, standardised suspension of organism in saline
- No reagent addition

UNIQUE, SAFE, CLOSED CONSUMABLE:

- Optimal for user safety
- No aerosols, splattering, or spills
- Small, lightweight cards save on contaminated disposal costs and storage space

BROAD AND EXPANDING ID/AST TEST MENU

IDENTIFICATION CARD TYPES

- **GN** (Gram negative bacilli) **187 organisms**
- **GP** (Gram positive cocci & bacilli) **128 organisms**
- **ANC** (anaerobes & Corynebacteria) **91 organisms**
- **NH** (Neisseria & Haemophilus) **36 organisms**
- **YST** (Yeast) **57 organisms**

ANTIBIOTIC SUSCEPTIBILITY CARD TYPES*

- Gram negative Bacilli **78** antimicrobials and ESBL[†] test
- Staphylococci &/or Enterococci **67 antimicrobials**, 4 high level aminoglycoside screens and ICR^{††} test
- Streptococci **18** antimicrobials and ICR test and gentamicin synergy
- *Streptococcus pneumoniae* **23** antimicrobials
- YST (Yeast) **6** antimicrobials

* Minimum Inhibitory Concentration

** Clinical & Laboratory Standards Institute

*** International Organization for Standardization

**** European Committee on Antimicrobial Susceptibility Testing† Extended-spectrum-beta-lactamase

***** Food and Drug Administration

† Extended-spectrum-beta-lactamase

†† Inducible clindamycin resistance

GRAM NEGATIVE IDENTIFICATION

VITEK® 2 GN CARD
REF. 21341

ENTEROBACTERIACEAE

- *Budvicia aquatica*
- *Buttiauxella agrestis*
- *Cedecea davisae*
- *Cedecea lapagei*
- *Citrobacter amalonaticus*
- *Citrobacter braakii*
- *Citrobacter farmeri*
- *Citrobacter freundii*
- *Citrobacter koseri*
- *Citrobacter sedlakii*
- *Citrobacter youngae*
- *Cronobacter sakazakii* group⁽¹⁾
- *Edwardsiella hoshinae*
- *Edwardsiella tarda*
- *Enterobacter aerogenes*
- *Enterobacter asburiae*
- *Enterobacter cancerogenus*
- *Enterobacter cloacae* complex⁽²⁾
- *Escherichia coli*
- *Escherichia coli* O157
- *Escherichia fergusonii*
- *Escherichia hermannii*
- *Escherichia vulneris*
- *Ewingella americana*
- *Hafnia alvei*
- *Hafnia paralvei*
- *Klebsiella oxytoca*
- *Klebsiella pneumoniae* ssp. *ozaenae*
- *Klebsiella pneumoniae* ssp. *pneumoniae*
- *Klebsiella pneumoniae* ssp. *rhinoscleromatis*
- *Kluyvera ascorbata*
- *Kluyvera cryocrescens*
- *Kluyvera intermedia*
- *Leclercia adecarboxylata*
- *Lelliottia amnigena* 1 (*Enterobacter amnigenus* 1)
- *Lelliottia amnigena* 2 (*Enterobacter amnigenus* 2)
- *Moellerella wisconsensis*
- *Morganella morganii* ssp. *morganii*
- *Morganella morganii* ssp. *sibonii*
- *Pantoea agglomerans*
- *Pantoea* spp.
- *Plesiomonas shigelloides*
- *Pluralibacter gergoviae* (*Enterobacter gergoviae*)
- *Proteus hauseri*
- *Proteus mirabilis*
- *Proteus penneri*
- *Proteus vulgaris*
- *Providencia alcalifaciens*
- *Providencia rettgeri*
- *Providencia rustigianii*
- *Providencia stuartii*
- *Rahnella aquatilis*
- *Raoultella ornithinolytica*
- *Raoultella planticola*

- *Roseomonas gilardii*
- *Salmonella entérica* ssp. *arizonae*
- *Salmonella entérica* ssp. *diarizonae*
- *Salmonella* group⁽³⁾
- *Salmonella* ser. *Gallinarum*
- *Salmonella* ser. *paratyphi* A
- *Salmonella* ser. *typhi*
- *Serratia ficaria*
- *Serratia fonticola*
- *Serratia liquefaciens* group⁽⁴⁾
- *Serratia marcescens*
- *Serratia odorifera*
- *Serratia plymuthica*
- *Serratia rubidaea*
- *Shigella* group⁽⁵⁾
- *Shigella sonnei*
- *Yersinia aldovae*
- *Yersinia enterocolitica/frederiksenii*
- *Yersinia intermedia*
- *Yersinia kristensenii*
- *Yersinia pestis*
- *Yersinia pseudotuberculosis*
- *Yersinia ruckeri*
- *Yokenella regensburgei*

NON-ENTEROBACTERIACEAE

- *Achromobacter denitrificans*
- *Achromobacter xylosoxidans*
- *Acinetobacter baumannii* complex⁽⁶⁾
- *Acinetobacter haemolyticus*
- *Acinetobacter junii*
- *Acinetobacter lwoffii*
- *Actinobacillus radioresistens*
- *Actinobacillus ursingii*
- *Actinobacillus ureae*
- *Aeromonas hydrophila/Aeromonas caviae*
- *Aeromonas salmonicida*
- *Aeromonas sobria*
- *Aeromonas veronii*
- *Alcaligenes faecalis* ssp. *faecalis*
- *Bordetella bronchiseptica*
- *Bordetella hinzii*
- *Bordetella trematum*
- *Brevundimonas diminuta/vesicularis*
- *Brucella melitensis*
- *Burkholderia cepacia* group⁽⁷⁾
- *Burkholderia gladioli*
- *Burkholderia mallei*
- *Burkholderia pseudomallei*
- *Chromobacterium violaceum*
- *Chryseobacterium gleum*
- *Chryseobacterium indologenes*
- *Comamonas testosteroni*
- *Cupriavidus pauculus*
- *Delftia acidovorans*
- *Elizabethkingia meningoseptica*
- *Francisella tularensis*
- *Grimontia hollisae*
- *Mannheimia haemolytica*
- *Methylobacterium* spp.
- *Moraxella* group⁽⁸⁾
- *Myroides* spp.
- *Neisseria animaloris/zoodegmatidis*
- *Ochrobactrum anthropi*
- *Oligella ureolytica*
- *Pandoraea* spp.
- *Paracoccus yeii*
- *Pasteurella aerogenes*
- *Pasteurella canis*
- *Pasteurella dagmatis*
- *Pasteurella multocida*
- *Pasteurella pneumotropica*
- *Pasteurella testudinis*
- *Photobacterium damsela*
- *Pseudomonas aeruginosa*
- *Pseudomonas alcaligenes*
- *Pseudomonas fluorescens*
- *Pseudomonas luteola*
- *Pseudomonas mendocina*
- *Pseudomonas oleovorans*
- *Pseudomonas oryzihabitans*
- *Pseudomonas putida*
- *Pseudomonas stutzeri*
- *Ralstonia insidiosa*
- *Ralstonia mannitolilytica*
- *Ralstonia pickettii*
- *Rhizobium radiobacter*
- *Roseomonas gilardii*
- *Shewanella algae*
- *Shewanella putrefaciens*
- *Sphingobacterium multivorum*
- *Sphingobacterium spiritivorum*
- *Sphingobacterium thalpophilum*
- *Sphingomonas paucimobilis*
- *Stenotrophomonas maltophilia*
- *Tatumella ptyseos*
- *Vibrio alginolyticus*
- *Vibrio cholerae*
- *Vibrio fluvialis*
- *Vibrio metschnikovii*
- *Vibrio mimicus*
- *Vibrio parahaemolyticus*
- *Vibrio vulnificus*

HIGHLY PATHOGENIC ORGANISMS

- *Brucella melitensis*
- *Burkholderia mallei*
- *Burkholderia pseudomallei*
- *Escherichia coli* O157
- *Francisella tularensis*
- *Yersinia pestis*

GRAM POSITIVE IDENTIFICATION

VITEK® 2 GP CARD
REF. 21342

- *Abiotrophia defectiva*
- *Aerococcus urinae*
- *Aerococcus viridans*
- *Alloiococcus otitis*
- *Dermacoccus nishinomiyaensis / Kytococcus sedentarius*
- *Enterococcus avium*
- *Enterococcus casseliflavus*
- *Enterococcus cecorum*
- *Enterococcus columbae*
- *Enterococcus durans*
- *Enterococcus faecalis*
- *Enterococcus faecium*
- *Enterococcus gallinarum*
- *Enterococcus hirae*
- *Enterococcus raffinosus*
- *Enterococcus saccharolyticus*
- *Erysipelothrix rhusiopathiae*
- *Facklamia hominis*
- *Gardnerella vaginalis*
- *Gemella bergeri*
- *Gemella haemolysans*
- *Gemella morbillorum*
- *Gemella sanguinis*
- *Globicatella sanguinis*
- *Globicatella sulfidifaciens*
- *Granulicatella adiacens*
- *Granulicatella elegans*
- *Helcococcus kunzii*
- *Kocuria kristinae*
- *Kocuria rhizophila*
- *Kocuria rosea*
- *Kocuria varians*
- *Lactococcus garvieae*
- *Lactococcus lactis* ssp. *cremoris*
- *Lactococcus lactis* ssp. *lactis*
- *Lactococcus raffinolactis*
- *Leuconostoc citreum*
- *Leuconostoc lactis*
- *Leuconostoc mesenteroides* ssp. *cremoris*
- *Leuconostoc mesenteroides* ssp. *dextranicum*
- *Leuconostoc mesenteroides* ssp. *mesenteroides*
- *Leuconostoc pseudomesenteroides*
- *Listeria fleischmannii*
- *Listeria grayi*
- *Listeria innocua*
- *Listeria ivanovii*
- *Listeria monocytogenes*
- *Listeria rocourtiae*
- *Listeria seeligeri*
- *Listeria welshimeri*
- *Micrococcus luteus*
- *Micrococcus lylae*
- *Pediococcus acidilactici*
- *Pediococcus pentosaceus*
- *Rothia mucilaginosa*
- *Staphylococcus arlettae*
- *Staphylococcus aureus*
- *Staphylococcus auricularis*
- *Staphylococcus capitis*
- *Staphylococcus caprae*
- *Staphylococcus carnosus* ssp. *carnosus*
- *Staphylococcus chromogenes*
- *Staphylococcus cohnii* ssp. *cohnii*
- *Staphylococcus cohnii* ssp. *urealyticus*
- *Staphylococcus epidermidis*
- *Staphylococcus equorum*
- *Staphylococcus gallinarum*
- *Staphylococcus haemolyticus*
- *Staphylococcus hominis* ssp. *hominis*
- *Staphylococcus hominis* ssp. *novobiosepticus*
- *Staphylococcus hyicus*
- *Staphylococcus intermedius*
- *Staphylococcus kloosii*
- *Staphylococcus lentus*
- *Staphylococcus lugdunensis*
- *Staphylococcus pseudintermedius*
- *Staphylococcus saprophyticus*
- *Staphylococcus schleiferi*
- *Staphylococcus sciuri*
- *Staphylococcus simulans*
- *Staphylococcus vitulinus*
- *Staphylococcus warneri*
- *Staphylococcus xylosus*
- *Streptococcus agalactiae*

- *Streptococcus alactolyticus*
- *Streptococcus anginosus*
- *Streptococcus canis*
- *Streptococcus constellatus* ssp. *constellatus*
- *Streptococcus constellatus* ssp. *pharyngis*
- *Streptococcus cristatus*
- *Streptococcus downei*
- *Streptococcus dysgalactiae* ssp. *dysgalactiae*
- *Streptococcus dysgalactiae* ssp. *equisimilis*
- *Streptococcus equi* ssp. *equi*
- *Streptococcus equi* ssp. *zooepidemicus*
- *Streptococcus equinus*
- *Streptococcus gallolyticus* ssp. *gallolyticus*
- *Streptococcus gallolyticus* ssp. *pasteurianus*
- *Streptococcus gordonii*
- *Streptococcus hyointestinalis*
- *Streptococcus infantarius* ssp. *coli* (Str. *lutetiensis*)
- *Streptococcus infantarius* ssp. *infantarius*
- *Streptococcus intermedius*
- *Streptococcus iniae*
- *Streptococcus mitis* / *Streptococcus oralis*
- *Streptococcus mutans*
- *Streptococcus ovis*
- *Streptococcus parasanguinis*
- *Streptococcus plurimalium*
- *Streptococcus pneumoniae*
- *Streptococcus porcinus*
- *Streptococcus pseudoporcinus*
- *Streptococcus pyogenes*
- *Streptococcus salivarius* ssp. *salivarius*
- *Streptococcus salivarius* ssp. *thermophilus*
- *Streptococcus sanguinis*
- *Streptococcus sobrinus*
- *Streptococcus suis* I
- *Streptococcus suis* II
- *Streptococcus thoraltensis*
- *Streptococcus uberis*
- *Streptococcus vestibularis*
- *Vagococcus fluvialis*

**ANAEROBE
CORYNEBACTERIA
IDENTIFICATION
VITEK 2 ANC CARD
REF. 21347**

- *Actinobaculum schaalii*
- *Actinomyces bovis*
- *Actinomyces israelii*
- *Actinomyces meyeri*
- *Actinomyces naeslundii*
- *Actinomyces neuii*
- *Actinomyces odontolyticus*
- *Actinomyces turicensis*
- *Anaerococcus prevotii*
- *Arcanobacterium haemolyticum*
- *Atopobium vaginae*
- *Bacteroides caccae*
- *Bacteroides eggerthii*
- *Bacteroides fragilis*
- *Bacteroides ovatus*
- *Bacteroides stercoris*
- *Bacteroides thetaiotaomicron*
- *Bacteroides uniformis*
- *Bacteroides vulgatus*
- *Bifidobacterium* spp.
- *Campylobacter* (*Bacteroides*) *ureolyticus*
- *Clostridium barati*
- *Clostridium bifermentans*
- *Clostridium butyricum*
- *Clostridium cadaveris*
- *Clostridium chauvoei*
- *Clostridium clostridiiforme*
- *Clostridium difficile*
- *Clostridium group*
- *Clostridium histolyticum*
- *Clostridium paraputrificum*
- *Clostridium perfringens*
- *Clostridium ramosum*
- *Clostridium septicum*
- *Clostridium sordellii*
- *Clostridium sporogenes*
- *Clostridium subterminale*
- *Clostridium tertium*
- *Collinsella aerofaciens*
- *Corynebacterium amycolatum*
- *Corynebacterium diphtheriae*
- *Corynebacterium jeikeium*
- *Corynebacterium minutissimum*
- *Corynebacterium pseudodiphtheriticum*
- *Corynebacterium striatum*
- *Corynebacterium ulcerans*
- *Corynebacterium urealyticum*
- *Eggerthella lenta*
- *Eggerthella catenaformis* (*Lactobacillus catenaformis*)
- *Eubacterium limosum*
- *Finexgoldia magna*
- *Fusobacterium mortiferum*
- *Fusobacterium necrophorum*
- *Fusobacterium nucleatum*
- *Fusobacterium varium*
- *Lactobacillus acidophilus*
- *Lactobacillus buchneri*
- *Lactobacillus casei*
- *Lactobacillus fermentum*
- *Lactobacillus gasserii*
- *Lactobacillus hilgardii*
- *Lactobacillus parabuchneri*
- *Lactobacillus paracasei*
- *Lactobacillus plantarum*
- *Microbacterium flavescens*
- *Micobacterium* ssp.
- *Parabacteroides distasonis*
- *Parabacteroides merdae*
- *Parvimonas micra*
- *Peptoniphilus asaccharolyticus*
- *Peptoniphilus indolicus*
- *Peptostreptococcus anaerobius*
- *Porphyromonas gingivalis*
- *Prevotella bivia*
- *Prevotella buccae*
- *Prevotella disiens*
- *Prevotella denticola*
- *Prevotella intermedia*
- *Prevotella melaninogenica*
- *Prevotella oralis*
- *Prevotella oris*
- *Propionibacterium acnes*
- *Propionibacterium granulosum*
- *Propionibacterium propionicum*

- (*Propionibacterium propionicus*)
- *Staphylococcus saccharolyticus*
- *Terrisporobacter glycolicus* (*Clostridium glycolicum*)
- *Trueperella pyogenes* (*Arcanobacterium pyogenes*)
- *Turicella otitidis*
- *Veillonella* spp.

**NEISSERIA
HAEMOPHILUS
IDENTIFICATION
VITEK 2 NH CARD
REF. 21346**

- *Actinobacillus pleuropneumoniae*
- *Actinobacillus suis*
- *Actinobacillus ureae*
- *Aggregatibacter actinomycetemcomitans*
- *Aggregatibacter aphrophilus*
- *Aggregatibacter segnis*
- *Campylobacter coli*
- *Campylobacter fetus* ssp. *fetus*
- *Campylobacter jejuni* ssp. *jejuni*
- *Capnocytophaga* spp.
- *Cardiobacterium hominis*
- *Eikenella corrodens*
- *Gardnerella vaginalis*
- *Haemophilus haemolyticus*
- *Haemophilus influenzae*
- *Haemophilus parahaemolyticus*
- *Haemophilus parainfluenzae*
- *Histophilus somni*
- *Kingella denitrificans*
- *Kingella kingae*
- *Moraxella* (*Branhamella*) *catarrhalis*
- *Moraxella* (*Neisseria*) *ovis*
- *Neisseria cinerea*
- *Neisseria elongata*
- *Neisseria gonorrhoeae*
- *Neisseria lactamica*
- *Neisseria meningitidis*
- *Neisseria sicca*
- *Neisseria weaveri*
- *Oligella urethralis*
- *Riemerella anatipetifer*
- *Suttonella indologenes*

**YEAST
IDENTIFICATION
VITEK 2 YST CARD
REF. 21343**

- *Candida albicans*
- *Candida auris*
- *Candida boidinii*
- *Candida catenulata*
- *Candida ciferrii* (*Stephanosascus ciferrii*)
- *Candida colliculosa*
- *Candida dubliniensis*
- *Candida duobushaemulonii*
- *Candida famata*
- *Candida freyschussii*

- *Candida glabrata*
- *Candida guilliermondii*
- *Candida haemulonii*
- *Candida haemulonii* var. *vulnera*
- *Candida inconspicua* / *Candida lambica*
- *Candida intermedia*
- *Candida kefyr*
- *Candida krusei*
- *Candida lipolytica*
- *Candida lusitanae*
- *Candida magnoliae*
- *Candida norvegensis*
- *Candida parapsilosis*
- *Candida pelliculosa*
- *Candida pulcherrima*
- *Candida rugosa*
- *Candida sake*
- *Candida spherica*
- *Candida tropicalis*
- *Candida utilis*
- *Candida zeylanoides*
- *Cryptococcus albidus*
- *Cryptococcus gattii*
- *Cryptococcus laurentii*
- *Cryptococcus neoformans*
- *Cryptococcus terreus*
- *Cryptococcus uniguttulatus*
- *Geotrichum klebahnii*
- *Kloeckera* spp.
- *Kodamaea ohmeri*
- *Malassezia furfur*
- *Malassezia pachydermatis*
- *Milleromyces farinosa* (*Pichia farinosa*)
- *Prototheca wickerhamii*
- *Prototheca zopfii*
- *Rhodotorula glutinis* / *Rhodotorula mucilaginoso*
- *Rhodotorula minuta*
- *Saccharomyces cerevisiae*
- *Saprochaete capitata* (*Geotrichum capitatum*)
- *Sporobolomyces salmonicolor*
- *Trichosporon asahii*
- *Trichosporon inkin*
- *Trichosporon mucoides*
- *Zygosaccharomyces* spp.

- 1) *Cronobacter* genomospecies 1, *Cronobacter dublinensis* ssp. *dublinensis*, *Cronobacter dublinensis* ssp. *lausannensis*, *Cronobacter dublinensis* ssp. *lactaridi*, *Cronobacter malonaticus*, *Cronobacter sakazakii*, *Cronobacter turicensis*, *Cronobacter muytjensii*
- 2) *Enterobacter cloacae* ssp. *cloacae*, *Enterobacter hormaechei*, *Enterobacter kobei*, *Enterobacter ludwigii*, *Enterobacter cloacae* ssp. *dissolvens*
- 3) *Salmonella enterica* ssp. *enterica*, *Salmonella* ser. *Enteritidis*, *Salmonella* ser. *Paratyphi B*, *Salmonella* ser. *Paratyphi C*, *Salmonella* spp., *Salmonella* ser. *Typhimurium*
- 4) *Serratia grimesii*, *Serratia liquefaciens*, *Serratia proteamaculans*
- 5) *Shigella boydii*, *Shigella dysenteriae*, *Shigella flexneri*
- 6) *Acinetobacter baumannii*, *Acinetobacter calcoaceticus*, *Acinetobacter pittii* (*Acinetobacter genomospecies 3*), *Acinetobacter nosocomialis* (*Acinetobacter genomospecies TU13*)
- 7) *Burkholderia cepacia*, *Burkholderia multivorans*, *Burkholderia stabilis*, *Burkholderia vietnamiensis*
- 8) *Moraxella lacunata*, *Moraxella nonliquefaciens*, *Moraxella osloensis*



References

- 1 Ayats J., Cissal M., Lucena J., and Marin R. Analysis of the Impact of Using a VITEK 2 COMPACT* System in a Clinical Microbiology Laboratory: Comparison with the MicroScan WalkAway System*. ASM 2007; Poster C-158.
- 2 Barry J., Brown A., Ensor V., Lakhani U., Petts D., Warren C., Winstanley T. Comparative evaluation of the VITEK 2 Advanced Expert System (AES) in five UK hospitals. *Journal of Antimicrobial Chemotherapy*, 2003; 51: 1191-1202.
- 3 Blondel-Hill E., Jang W., Lee I., Borton N., Book L., Thomas E. Comparison of Phoenix™ and VITEK® 2 Compact for Performance of Identification and Susceptibility Testing, Workflow, and Time to Report. ICAAC 2006; Poster D-691.
- 4 Bobenchik A.M., Deak E., Hindler J.A., Charlton C.L., Humphries R.M. Performance of VITEK® 2 for Antimicrobial Susceptibility Testing of Enterobacteriaceae with VITEK® 2 (2009 FDA) and 2014 CLSI Breakpoints. *Journal of Clinical Microbiology*, 2014; 53(3):816-823.
- 5 Bobenchik A.M., Hindler J.A., Giltner C.L., Saeki S., Humphries R.M. Performance of VITEK® 2 for Antimicrobial Susceptibility Testing of Staphylococcus spp. and Enterococcus spp. *Journal of Clinical Microbiology*, 2014; 52(2):392-397.
- 6 Doat V., Roubille M., and Turner R. Analysis of the Comparative Workflow and Accuracy of the VITEK® 2 Compact and the Combination Mini-API®/Agar diffusion SIRSCAN® Method. ECCMID 2007; Poster P-1727.
- 7 Eigner U., Schmid A., Wild U., Bertsch D., Fahr A.M. Analysis of the Comparative Workflow and Performance Characteristics of the VITEK 2 and Phoenix Systems. *Journal of Clinical Microbiology*, 2005; 43(8): 3829-3834.
- 8 Galar A., Yuste J.R., Espinosa M., Guillén-Grima F., Hernández-Crespo S., and Leiva J. Clinical and economic impact of rapid reporting of bacterial identification and antimicrobial susceptibility results of the most frequently processed specimen types. *Eur J Clin Microbiol Infect Dis*, 2012; 31 (9): 2445-2452.
- 9 Heller-Ono A. Ergonomic Analysis Comparison of the VITEK® 2 and VITEK® 2 Compact with the Microscan WalkAway® 96 and Phoenix™ For Work Flow Efficiency and the Likelihood of Distal Upper Extremity Strain. bioMérieux White Paper, 2008.
- 10 Hooper M., Hill C., Hadwell V., Blondel-Hill E. Comparison of bioMérieux VITEK 2 XL, BD Phoenix, and Seimens MicroScan Walkaway96 plus choosing an identification and antimicrobial susceptibility testing system for a medium sized microbiology laboratory. ECCMID 2013; Poster P-1536.
- 11 LaBombardi V.J. Maximizing the Use of the Advanced Expert System™ to Improve Patient Care. bioMérieux White Paper, 2011.
- 12 Larone D.H., Tucci L.J., Samide D.O. Time Study of Three Automated Systems for the Identification and Susceptibility of Bacteria: The MicroScan WalkAway 96, VITEK, and VITEK 2. ASM 2000; Poster C-279.
- 13 Livermore DM., Struelens M., Amorim J., Baquero F., Bille J., Canton R., Henning S., Gatermann S., Marchese A., Mittermayer H., Oakton K.J., Praplan F., Ramos H., Schito GC., Van Eldere J., Vaerhaegen J., Verhoef J., and Visser MR. Multicentre evaluation of the VITEK 2 Advanced Expert System for interpretive reading of antimicrobial resistance tests. *Journal of Antimicrobial Chemotherapy*, 2002; 49 (2): 289-300.
- 14 Römmler W., Beer L., Kessler M., and Kaehler K. Analysis of the Comparative Workflow and ID/ AST Test Result Accuracy of the VITEK® 2 compact and the Phoenix™ Systems. ASM 2006; Poster C-123.
- 15 Sanders CC., Peyret M., Moland ES., Cavalieri S.J., Shubert C., Thomson K.S., Boeufgras J.M., and Sanders W.E. Potential Impact of the VITEK® 2 System and the Advanced Expert System™ on the Clinical Laboratory of a University-Based Hospital. *Journal of Clinical Microbiology*, 2001; 39 (7): 2379-2385.



Innovation in microbiology must never stop – because **your laboratory challenges never stop**. For more than 50 years, bioMérieux has shared your commitment to continually strengthen laboratory impact on patient therapy.

For all your testing needs – from the **most routine to the truly challenging** – our integrated **ID/AST*** and **blood culture** offer lets you leverage your expertise to ensure test results that impact timely, appropriate therapy.

*ID/AST: Identification and Susceptibility Testing