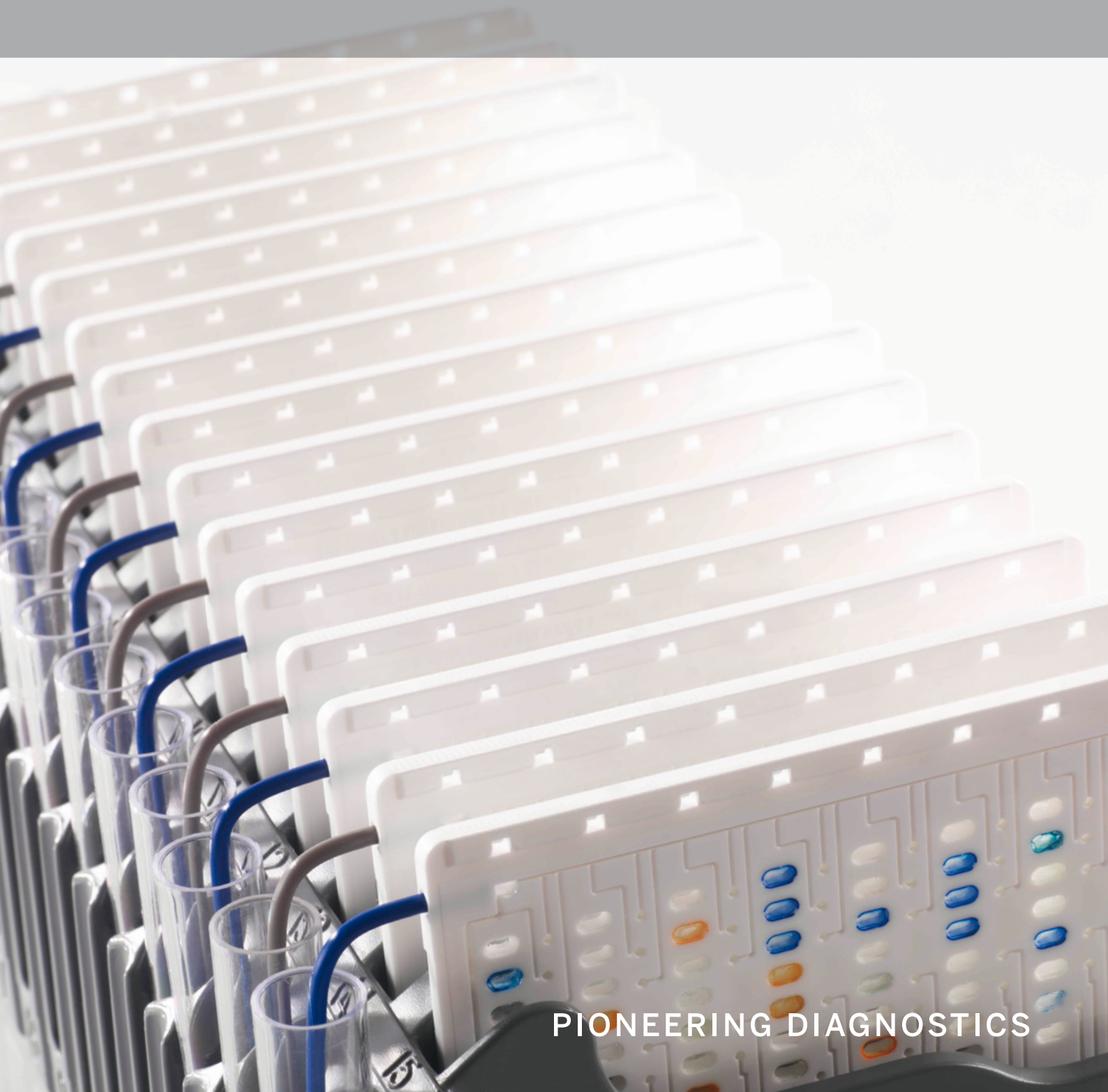




VITEK[®] 2 ID & AST CARDS

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

- *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 pluranimalium*
- *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* (*Stephanoascus 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*
- *Milleromyza 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*

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 yeei*
- *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*



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