



Vitek MS™

**MASS SPECTROMETRY
POWERED
BY MICROBIOLOGY**



EXPANDED DATABASE
NOW WITH MYCOBACTERIA, NOCARDIA AND MOULDS*

HIGH CLINICAL VALUE

VITEK® MS is the **first** MALDI-TOF Mass Spectrometry System to have an **IVD-CE marked database** for the identification of mycobacteria, *Nocardia* and moulds. Now you can identify **1046 species** in minutes. **NEW:**

- 49 mycobacteria taxa comprised of 48 total Species
- 14 *Nocardia* species
- 48 new mould species grouped into 47 taxa
- 197 other new bacteria and yeasts

Deliver rapid, actionable results to clinicians to **support informed treatment decisions**. Timely identification of **mycobacteria, *Nocardia* and moulds** helps in the management of diseases such as tuberculosis, serious fungal infections and osteomyelitis caused by non-tuberculosis mycobacteria (NTM).

PRODUCTIVITY IN THE LAB

- **Rapid, safe and effective inactivation and extraction protocols** offer excellent performance* for identification of these microorganisms
- Easy workflow with **convenient, prepackaged reagent kits**
- **In-lab solution can save time and costs** compared to sending out tests or using other methods

* Not available in the United States.

1- Mather, C.A., et. al. Comparison of the Bruker Biotyper and Vitek MS Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry Systems for Identification of Mycobacteria Using Simplified Protein Extraction Protocols. *J. Clin. Microbiol.* 2014, 52(1):130. DOI: 10.1128/JCM.01996-13. 30 Oct. 2013.
2- Pence M.A., et. al. *Eur J Clin Microbiol Infect Dis*, 2014 ; 33(10) : 1703.



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MASS SPECTROMETRY POWERED BY MICROBIOLOGY

VITEK® MS is the mass spectrometry microbial identification system that's backed by bioMérieux expertise. With MALDI-TOF (Matrix Assisted Laser Desorption Ionization Time-of-Flight) technology, it provides **clear and accurate identification** at the species, genus or group level in minutes.

- bioMérieux's unique proprietary algorithm, the Advanced Spectra Classifier, provides excellent discrimination between closely-related species
- Over 15,000 distinct strains in the database account for diversity within a species for greater accuracy
- No manipulation of result scores to obtain species identification²
- New expanded database includes identification of over 1000 species

VITEK® SOLUTIONS: MOVING MICROBIOLOGY FORWARD

VITEK® MS is part of bioMérieux's comprehensive and complementary range of ID/AST solutions for infectious disease diagnostics. Together, VITEK® MS and VITEK® 2 provide seamless integration and the flexibility needed to optimize laboratory workflow and to support selection of appropriate antimicrobial treatment. VITEK® SOLUTIONS provides confidence in reporting results with speed and accuracy – whether you are faced with routine diagnoses, unusual or resistant organisms, or critical clinical situations.



NEW SPECIES

VITEK® MS inactivation and extraction reagent kits are available with the first IVD-CE marked database for mycobacteria, *Nocardia* and moulds. Database now with 1046 species.

Yeasts

Moulds

Nocardia

Mycobacteria

Bacteria

Acinetobacter beijerinckii
Acinetobacter gyllenbergii
Acinetobacter schindleri
Acremonium sclerotigenum
Actinobacillus capsulatus
Actinobacillus lignieresii
Actinobacillus equuli
Actinobacillus equuli ssp haemolyticus
Actinobaculum schaalii
Actinomyces bovis
Actinomyces denticolens
Actinomyces graevenitzi
Actinomyces israelii
Actinomyces naeslundii
Aeromonas enteropelogenes
Aeromonas eucrenophila
Aeromonas media
Aeromonas schubertii
Anaerococcus prevotii
Anaerococcus tetradius
Anaerococcus vaginalis
Archaeobacter butzleri
Arthroderma benhamiae
Aspergillus candidus
Aspergillus lentulus
Aspergillus terreus
Aspergillus unguis
Atopobium vaginae
Avibacterium gallinarum
Avibacterium paragallinarum
Bacillus altitudinis
Bacillus clausii
Bacillus homeckiae
Bacillus idriensis
Bacillus psychrosaccharolyticus
Bacillus subtilis ssp spizizenii
Bacteroides xylanisolvens
Bacteroides pyogenes
Bibersteinia trehalosi
Blastomyces dermatitidis
Bordetella hinzii
Bordetella holmesii
Brachybacterium alimentarium
Brachybacterium nesterenkovi
Brevibacillus choshinensis
Brevibacterium ptyocampae
Burkholderia ambifaria
Burkholderia anthina
Burkholderia arboris
Burkholderia cenocepacia
Burkholderia contaminans
Burkholderia diffusa
Burkholderia dolosa
Burkholderia lata
Burkholderia latens
Burkholderia metallica
Burkholderia pyrrocinia
Burkholderia ubonensis
Campylobacter mucosalis
Candida orthopsilosis
Candida palmiroleophila
Candida pararugosa
Candida viswanathii
Capnocytophaga canimorsus
Capnocytophaga granulosa
Cladophialophora bantiana
Clostridium chauvoei
Clostridium haemolyticum
Clostridium innocuum
Clostridium novyi
Clostridium subterminale
Coccidioides immitis
Coccidioides posadasii
Comamonas aquatica
Corynebacterium accolens
Corynebacterium afermentans
Corynebacterium ammoniagenes
Corynebacterium argenteorotense
Corynebacterium durum
Corynebacterium falsenii
Corynebacterium imitans
Corynebacterium matruchotii

Corynebacterium mycetoides
Corynebacterium riegliei
Corynebacterium sundsvallense
Corynebacterium variable
Cryptococcus albidus var albidus
Cryptococcus gattii
Cupriavidus gilardii
Cupriavidus necator
Cupriavidus respiraculi
Curtobacterium pusillum
Curvularia hawaiiensis
Curvularia spicifera
Dermatophilus congolensis
Dolosigranulum pigrum
Eggerthia cateniformis
Enterobacter doacae ssp doacae
Enterobacter hormaechei
Enterobacter hormaechei ssp hormaechei
Enterobacter hormaechei ssp oharae
Enterobacter hormaechei ssp steigerwaltii
Enterobacter kobei
Enterobacter ludwigii
Epidermophyton floccosum
Eutypella scoparia
Exophiala dermatitidis
Exophiala xenobiotica
Exserohilum rostratum
Flavobacterium columnare
Flavobacterium psychrophilum
Fluoribacter dumoffii
Fluoribacter gormanii
Fusarium chlamydosporum
Fusobacterium gonidiaformans
Fusobacterium necrophorum ssp funduliforme
Fusobacterium nucleatum ssp nucleatum
Fusobacterium russii
Gallibacterium anatis
Gordonia namibiensis
Gordonia sputi
Haemophilus haemoglobinophilus
Histoplasma capsulatum
Inquilinus limosus
Jeotgalicoccus aerolatus
Kocuria palustris
Kocuria rhizophila
Labrys wisconsinensis
Lactobacillus alimentarius
Lactobacillus plantarum ssp argentoratensis
Lactococcus lactis ssp hordniae
Legionella anisa
Legionella bozemanae
Legionella feeleei
Legionella longbeachae
Legionella pneumophila ssp fraseri
Lichtheimia corymbifera
Listonella anguillarum
Lodderomyces elongisporus
Microbacterium aoyamense
Micrococcus terreus
Microsporium audouinii
Microsporium canis
Microsporium fulvum
Microsporium gypseum
Microsporium persicolor
Microsporium praecox
Moraxella cuniculi
Enhydrobacter aerosaccus
Mucor lanceolatus
Mucor racemosus
Mucor velutinosus
Mycobacterium abscessus
Mycobacterium agri
Mycobacterium arupense
Mycobacterium asiaticum
Mycobacterium aurum
Mycobacterium brisbanense

Mycobacterium celatum
Mycobacterium chelonae
Mycobacterium cosmeticum
Mycobacterium flavescens
Mycobacterium alvei
Mycobacterium farcinogenes
Mycobacterium fortuitum
Mycobacterium fortuitum ssp fortuitum
Mycobacterium houstonense
Mycobacterium peregrinum
Mycobacterium porcinum
Mycobacterium senegalense
Mycobacterium gastri
Mycobacterium genavense
Mycobacterium goodii
Mycobacterium gordonae
Mycobacterium haemophilum
Mycobacterium immunogenum
Mycobacterium intracellulare
Mycobacterium kansasii
Mycobacterium kubicae
Mycobacterium lentiflavum
Mycobacterium mageritense
Mycobacterium malmoeense
Mycobacterium marinum
Mycobacterium mucogenicum
Mycobacterium nebraskense
Mycobacterium neoaurum
Mycobacterium paraffinicum
Mycobacterium phlei
Mycobacterium scrofulaceum
Mycobacterium shimoidei
Mycobacterium simiae
Mycobacterium smegmatis
Mycobacterium szulgai
Mycobacterium triplex
Mycobacterium africanum
Mycobacterium bovis
Mycobacterium canettii
Mycobacterium tuberculosis
Mycobacterium vaccae
Mycobacterium xenopi
Neisseria canis
Neisseria flavida
Neisseria perflava
Neisseria sicca
Neisseria polysaccharea
Neisseria weaveri
Nocardia abscessus
Nocardia africana
Nocardia nova
Nocardia beijingensis
Nocardia brasiliensis
Nocardia cyriacigeorgica
Nocardia farcinica
Nocardia neocaledoniensis
Nocardia otitidiscaviarum
Nocardia paucivorans
Nocardia pseudobrasiliensis
Nocardia transvalensis
Nocardia veterana
Nocardia wallacei
Ochrobactrum intermedium
Odontobacter splanchnicus
Ornithobacterium rhinotracheale
Paenibacillus apiarius
Paenibacillus larvae
Paenibacillus provencensis
Pandoraea apista
Pandoraea norimbergensis
Pandoraea pnomenusa
Pandoraea pulmonicola
Pandoraea sputorum
Pantoea ananatis
Parabacteroides merdae
Paracoccidioides brasiliensis
Paracoccus denitrificans
Paracoccus versutus
Pasteurella bettyae
Pasteurella caballi
Pasteurella dagmatis
Pasteurella multocida ssp multocida

Pasteurella pneumotropica
Pasteurella stomatis
Peptoniphilus harei
Peptoniphilus ivorii
Peptoniphilus lacrimalis
Prevotella baroniae
Prevotella loescheii
Prevotella nigrescens
Prevotella oralis
Prevotella ruminicola
Prevotella salivae
Prevotella timonensis
Prevotella veroralis
Pseudallescheria boydii
Pseudoxanthomonas kaohsiungensis
Pseudoxanthomonas mexicana
Rasamsonia argillacea
Rhizopus arrhizus
Rhizopus microsporus
Roseomonas mucosa
Rothia aeria
Sarocladium kiliense
Scedosporium apiospermum
Scedosporium prolificans
Sporothrix schenckii
Staphylococcus capitis ssp capitis
Staphylococcus capitis ssp urealyticus
Staphylococcus carnosus ssp utilis
Staphylococcus delphini
Staphylococcus equorum ssp equorum
Staphylococcus equorum ssp linens
Staphylococcus hominis ssp novobiosepticus
Staphylococcus lutrae
Staphylococcus pettenkoferi
Staphylococcus piscifermentans
Staphylococcus saprophyticus ssp saprophyticus
Staphylococcus sciuri ssp carnaticus
Staphylococcus sciuri ssp rodentium
Staphylococcus sciuri ssp sciuri
Streptococcus acidominimus
Streptococcus downei
Streptococcus iniae
Streptococcus parauberis
Streptococcus sinensis
Taylorella eugeniensis
Trichophyton equinum
Trichophyton enniacei
Nocardia africana
Nocardia nova
Nocardia beijingensis
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