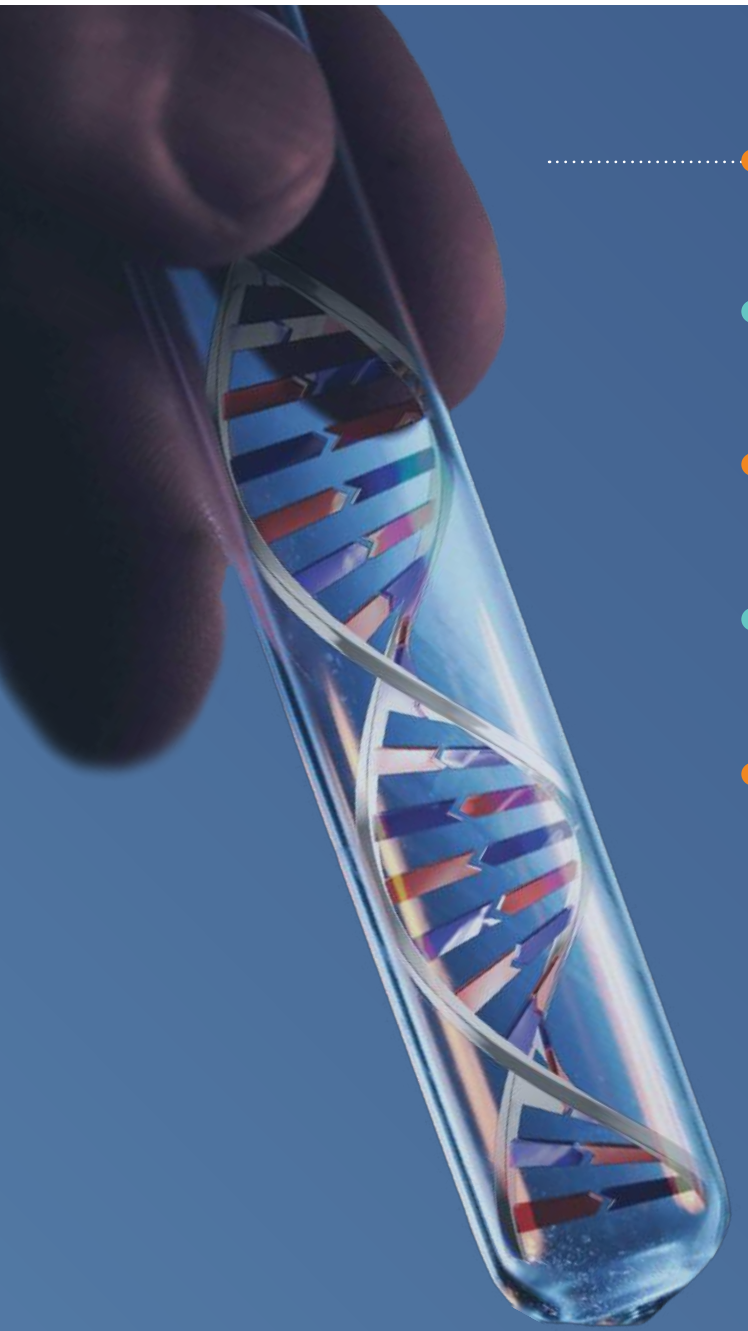
GENEPATH DX™

Building world class reagents, at affordable prices



- High quality
- Automation ready
- Customizable
- Next generation screening and diagnostics
- Strong R&D focus

Infectious diseases, Oncology, Genetic disorders

Headquartered in Michigan
Proudly made in the USA,
with a local manufacturing facility

Next-generation custom reagents for molecular diagnostics

GenePath's suite of Research Use Only (RUO) reagents and instruments empower laboratories with reliable, scalable, and cost-effective tools for high-quality nucleic acid extraction and downstream molecular workflows. Compatible with a wide variety of sample types and instruments, GenePath reagents and systems enable end-to-end automation or flexible manual use.

Urinary tract infections (UTI)	MM-UTIOPT2	MM-UTIOPT3	MM-UTIOPT4	MM-UTIOPT5	MM-UTIOPT6
Gram-negative bacteria					
Acinetobacter baumannii	✔	✔	✔	✔	✔
Citrobacter freundii	✔	✔	✔	✔	✔
Citrobacter koseri	✔			✔	✔
Enterobacter cloacae	✔	✔		✔	✔
Escherichia coli	✔	✔	✔	✔	✔
Klebsiella aerogenes		✔		✔	
Klebsiella oxytoca	✔	✔		✔	✔
Klebsiella pneumoniae	✔	✔	✔	✔	✔
Morganella morganii	✔	✔		✔	✔
Proteus mirabilis	✔	✔	✔	✔	✔
Proteus vulgaris		✔		✔	
Providencia stuartii		✔			
Pseudomonas aeruginosa	✔	✔	✔	✔	✔
Serratia marcescens	✔	✔		✔	✔
Stenotrophomonas maltophilia	✔				✔
Gram-positive bacteria					
Actinotignum schaalii	✔				
Aerococcus urinae				✔	
Coagulase-negative staphylococci (CoNS) group: *Staphylococcus saprophyticus, Staphylococcus haemolyticus, Staphylococcus epidermidis, Staphylococcus lugdunensis, Staphylococcus cohnii, Staphylococcus simulans*				✔	
Enterococcus faecalis	✔	✔	✔	✔	✔
Enterococcus faecium	✔	✔		✔	✔
Staphylococcus aureus	✔	✔		✔	✔
Staphylococcus epidermidis	✔				
Staphylococcus saprophyticus		✔	✔		✔
Streptococcus agalactiae	✔	✔	✔	✔	
Streptococcus pyogenes	✔			✔	
Fungi					
Candida albicans	✔	✔	✔		✔
Candida auris	✔	✔			✔
Candida glabrata	✔	✔			✔
Candida parapsilosis	✔	✔			✔
Candida tropicalis	✔	✔			✔
Clavispora lusitaniae		✔			
Pichia kudriavzevii (*Candida krusei*)	✔	✔			✔
Miscellaneous bacteria					
Mycoplasma hominis	✔	✔	✔		✔
Ureaplasma urealyticum		✔	✔		
Resistance genes					
Ampicillin resistance	blaACT/blaMIR, blaFOX, blaACC, blaDHA, blaCMY, blaMOX	blaACT/blaMIR, blaFOX, blaACC, blaDHA, blaCMY, blaMOX		blaACT/blaMIR, blaFOX, blaACC, blaDHA, blaCMY, blaMOX	ampC
Carbapenem resistance	KPC, NDM, VIM	IMP, VIM, KPC	KPC	NDM, KPC, IMP, VIM	NDM, KPC, VIM
Colistin (Polymyxin) resistance	MCR-1				MCR-1
ESBL resistance		PER, GES, VEB, TEM, SHV		TEM, SHV	

Urinary tract infections (UTI) (continued)	MM-UTIOPT2	MM-UTIOPT3	MM-UTIOPT4	MM-UTIOPT5	MM-UTIOPT6
Resistance genes (continued)					
ESBL resistance (CTX-M)	CTX-M	CTX-M		CTX-M	CTX-M
ESBL/ Carbapenem resistance	OXA-23, OXA-48	blaOXA-1, blaOXA-23, blaOXA-48		OXA-48	OXA-23
Erythromycin resistance	ermA, ermB, ermC	ermA, ermB, ermC	ermA, ermB	ermA, ermB, ermC	ermA, ermB, ermC
Methicillin resistance	mecA	mecA	mecA	mecA	mecA
Quinolone and fluoroquinolone resistance	qnrA, qnrB	qnrA, qnrB, qnrS	qnrA, qnrB		qnrA,qnrB
Sulfonamide resistance		sul1, sul2	sul1		
Tetracycline resistance	tetM	tetM			tetM
Trimethoprim resistance		dfrA1, dfrA5, dfrA12, dfrA14, dfrA17, dfrB1, dfrB5, dfrG	dfrA1, dfrA5, dfrA12, dfrA17		
Vancomycin resistance	vanA, vanB, vanC	vanA, vanB, vanC	vanA, vanB	vanA, vanB	vanA, vanB

Nail fungal	MM-NAILOPT1	MM-NAILOPT2	MM-NAILOPT3
Acremonium strictum			✔
Alternaria spp.	✔	✔	✔
Aspergillus fumigatus		✔	
Aspergillus niger		✔	✔
Aspergillus spp.	✔		
Aspergillus terreus			✔
Candida albicans	✔	✔	✔
Candida auris	✔		✔
Candida glabrata	✔	✔	✔
Candida parapsilosis		✔	✔
Candida spp.	✔		
Candida tropicalis		✔	✔
Clavispora lusitaniae (*Candida lusitaniae*)			✔
Cryptococcus neoformans	✔		
Cryptococcus spp.		✔	
Epidermophyton floccosum	✔	✔	✔
Fusarium solani		✔	✔
Fusarium spp.	✔		
Malassezia spp.	✔		
Microsporum audouinii	✔	✔	✔
Microsporum canis	✔	✔	✔
Mucor spp.	✔		
Neofusicoccum mangiferae			✔
Pichia kudriavzevii (*Candida krusei*)		✔	✔
Trichophyton pool: *Trichophyton interdigitale, Trichophyton mentagrophytes, Trichophyton tonsurans*			*Trichophyton interdigitale*
Trichophyton rubrum		✔	
Trichophyton spp.	✔		✔

Wound	MM-WNDOPT1	MM-WNDOPT2
Gram-negative bacteria		
Acinetobacter pool: *Acinetobacter baumannii, Acinetobacter junii*	*Acinetobacter baumannii, Acinetobacter junii*	*Acinetobacter baumannii*
Bacteroides fragilis	✔	✔
Bacteroides pyogenes		✔
Bartonella henselae	✔	
Campylobacter ureolyticus	✔	
Citrobacter braakii		✔
Citrobacter freundii	✔	✔
Citrobacter koseri	✔	✔
Enterobacter cloacae	✔	✔
Escherichia coli	✔	✔
Fusobacterium pool: *Fusobacterium necrophorum, Fusobacterium nucleatum*	✔	✔
Kingella kingae		✔
Klebsiella aerogenes	✔	✔
Klebsiella oxytoca	✔	✔
Klebsiella pneumoniae	✔	✔
Moraxella catarrhalis		✔
Morganella morganii	✔	✔
Pantoea agglomerans		✔
Prevotella pool: *Prevotella bivia, Prevotella intermedia, Prevotella loescheii, Prevotella oralis*	*Prevotella bivia, Prevotella intermedia, Prevotella loescheii*	*Prevotella bivia, Prevotella intermedia, Prevotella loescheii, Prevotella oralis*
Proteus mirabilis	✔	✔
Proteus vulgaris	✔	✔
Pseudomonas aeruginosa	✔	✔
Serratia marcescens	✔	✔
Stenotrophomonas maltophilia		✔
Gram-positive bacteria		
Anaerococcus group: *Anaerococcus prevotii, Anaerococcus vaginalis, Peptostreptococcus anaerobius*		✔
Clostridium pool: *Clostridium botulinum, Clostridium difficile* (toxin A/B), *Clostridium novyi, Clostridium perfringens, Clostridium septicum*	*Clostridium novyi, Clostridium perfringens, Clostridium septicum*	*Clostridium botulinum, Clostridium difficile* (toxin A/B) *Clostridium novyi, Clostridium perfringens, Clostridium septicum*
Coagulase-negative staphylococci (CoNS) group: *Staphylococcus saprophyticus, Staphylococcus haemolyticus, Staphylococcus epidermidis, Staphylococcus lugdunensis, Staphylococcus cohnii, Staphylococcus simulans*		✔
Corynebacterium spp.: *Corynebacterium amycolatum, Corynebacterium bovis, Corynebacterium diphtheriae, Corynebacterium jeikeium, Corynebacterium minutissimum,Corynebacterium pseudotuberculosis, Corynebacterium renale, Corynebacterium striatum, Corynebacterium ulcerans,Corynebacterium urealyticum, Corynebacterium xerosis*	✔	✔
Cutibacterium acnes (*Propionibacterium acnes*)		✔
Enterococcus faecalis	✔	✔
Enterococcus faecium	✔	✔

Wound (continued)	MM-WNDOPT1	MM-WNDOPT2
Gram-positive bacteria (continued)		
Finegoldia magna	✔	✔
Peptoniphilus spp.		✔
Peptostreptococcus spp.: *Anaerococcus prevotii, Anaerococcus vaginalis,* *Peptostreptococcus anaerobius*	✔	✔
Staphylococcus aureus	✔	✔
Staphylococcus epidermidis		
Streptococcus agalactiae	✔	✔
Streptococcus dysgalactiae		✔
Streptococcus pneumoniae	✔	
Streptococcus pyogenes	✔	✔
Fungi		
Aspergillus pool: *Aspergillus flavus, Aspergillus fumigatus,* *Aspergillus niger, Aspergillus terreus*	✔	
Candida albicans	✔	
Candida auris	✔	
Candida pool: *Candida glabrata, Candida parapsilosis, Candida tropicalis*	✔	✔
Clavispora lusitaniae (*Candida lusitaniae*)		
Pichia kudriavzevii (*Candida krusei*)		
Trichophyton spp.		
Viruses		
HSV1		
HSV2		
Varicella-zoster virus (VZV)		
Others		
Sarcoptes scabiei		

Sexually-transmitted infections (STI)	MM-STIOPT1	MM-STIOPT2	MM-STIOPT3
Gram-negative bacteria			
Chlamydia trachomatis	✔	✔	✔
Haemophilus ducreyi			
Neisseria gonorrhoeae	✔	✔	✔
Treponema pallidum			✔
Miscellaneous bacteria			
Gardnerella vaginalis			✔
Mycoplasma hominis			✔
Mycoplasma genitalium		✔	✔
Ureaplasma parvum			✔
Ureaplasma urealyticum			✔
Protozoa/ Parasites			
Trichomonas vaginalis	✔	✔	✔
Viruses			
HSV1			✔
HSV2			✔

Women's health	MM-WHOPT1	MM-WHOPT2
Gram-negative bacteria		
BVAB1		✔
BVAB2	✔	✔
Chlamydia trachomatis	✔	
Escherichia coli	✔	
Haemophilus ducreyi	✔	✔
Megasphaera Type 1	✔	✔
Megasphaera Type 2	✔	✔
Neisseria gonorrhoeae	✔	
Prevotella bivia	✔	✔
Treponema pallidum	✔	
Gram-positive bacteria		
Atopobium vaginae	✔	✔
BVAB3		✔
Enterococcus faecalis	✔	
Lactobacillus crispatus	✔	
Lactobacillus gasseri	✔	
Lactobacillus iners	✔	✔
Lactobacillus jensenii	✔	
Staphylococcus aureus	✔	
Streptococcus agalactiae	✔	
Miscellaneous bacteria		
Gardnerella vaginalis	✔	
Mobiluncus curtisii	✔	✔
Mobiluncus mulieris	✔	✔
Mycoplasma genitalium	✔	
Mycoplasma hominis	✔	
Ureaplasma parvum	✔	
Ureaplasma urealyticum	✔	
Fungi		
Candida albicans	✔	
Candida auris	✔	
Candida glabrata	✔	
Candida parapsilosis	✔	
Candida tropicalis	✔	
Clavispora lusitaniae	✔	
Pichia kudriavzevii (*Candida krusei*)	✔	
Trichophyton spp.	✔	
Protozoa/ Parasites		
Trichomonas vaginalis	✔	
Viruses		
HPV16	✔	✔
HPV18	✔	✔
HPV45		✔
HSV1	✔	
HSV2	✔	
Resistance genes		
Methicillin resistance	mecA	
Vancomycin resistance	vanA, vanB	

Respiratory	MM-RPPOPT1	MM-RPPOPT2
Gram-negative bacteria		
Bordetella holmesii	✔	
Bordetella parapertussis	✔	
Bordetella pertussis	✔	
Chlamydia pneumoniae	✔	
Coxiella burnetii	✔	
Haemophilus influenzae	✔	
Klebsiella pneumoniae	✔	
Legionella longbeachae	✔	
Legionella pneumophila	✔	
Moraxella catarrhalis	✔	
Gram-positive bacteria		
Staphylococcus aureus	✔	
Streptococcus agalactiae	✔	
Streptococcus dysgalactiae	✔	
Streptococcus pneumoniae	✔	
Streptococcus pyogenes	✔	
Miscellaneous Bacteria		
Mycoplasma pneumoniae	✔	
Fungi		
Pneumocystis jirovecii (PCP)	✔	
Viruses		
Coronavirus 229E	✔	
Coronavirus HKU1	✔	
Coronavirus NL63	✔	
Coronavirus OC43	✔	
EBV	✔	
H1N1-pdm09	✔	
H3N2 seasonal	✔	
H5	✔	
Human Bocavirus	✔	
Human Enterovirus	✔	
Human Metapneumovirus	✔	
Human Parechovirus	✔	
Influenza A	✔	✔
Influenza B	✔	✔
Influenza C	✔	
MERS	✔	
N1	✔	
Parainfluenza 1	✔	
Parainfluenza 2	✔	
Parainfluenza 3	✔	
Parainfluenza 4	✔	
Rhinovirus	✔	
RSV A/B	✔	✔
SARS	✔	
SARS-CoV-2	✔	✔
Resistance genes		
Methicillin resistance	mecA	
Vancomycin resistance	vanA, vanB	

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Gastrointestinal (GI)	MM-GIOPT1
Gram-negative bacteria	
Campylobacter group: *Campylobacter jejuni, Campylobacter upsaliensis,* *Campylobacter coli, Campylobacter lari*	✔
E. coli (VTEC)	✔
E. coli (EAEC)	✔
E. coli (EPEC)	✔
E. coli (ETEC lt/st)	✔
E. coli (STEC O157:H7)	✔
E. coli (EIEC)/ *Shigella* spp.	✔
Helicobacter pylori	✔
Plesiomonas shigelloides	✔
Salmonella spp.	✔
Vibrio cholerae	✔
Vibrio parahaemolyticus	✔
Vibrio vulnificus	✔
Yersinia enterocolitica	✔
Gram-positive bacteria	
Clostridium difficile (toxin A/B)	✔
Protozoa/ Parasites	
Cryptosporidium spp.	✔
Cyclospora cayetanensis	✔
Entamoeba histolytica	✔
Giardia lamblia (*Giardia duodenalis*)	✔
Viruses	
Adenovirus	✔
Astrovirus	✔
Norovirus GI	✔
Norovirus GII	✔
Rotavirus A	✔
Sapovirus (I, II, IV, V)	✔

Haemto-Oncology	MM-BCRABL	MM-JAK2
Gene Mutation	*BCR ABL*	*JAK2-v617F*

Notes

For more information, please contact sales.usa@genepathdx.com

All products listed are for Research Use Only (RUO). Not for use in diagnostic procedures.

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