GENEPATH DX™ *Building world class reagents, at affordable prices*

Pre-plated. Modular. Pre-mixed PCR Reagents

Custom PCR Reagents for LDTs

15 Years
R&D Experience

Modular
Assay Design

Room Temperature
Stable

CMS/MAC
Aligned

UTI | AMR | RPP | STI

Wound | GI | Women's health | Nail fungal

For Research Use Only

MADE IN USA

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

Custom PCR Reagents Built for CLIA Laboratory Workflows

GenePath develops Research Use Only (RUO) PCR reagents that help CLIA laboratories accelerate assay development, streamline workflow, and reduce operational complexity. From nucleic acid extraction through real-time PCR detection, our modular reagent solutions are designed for reliable performance, broad instrument compatibility, and flexible customization to support your laboratory's evolving testing needs.

Urinary tract infections (UTI) AMR - Target	UTI AMR v1	UTI AMR v2	UTI AMR v3	UTI AMR v4
Gram-negative bacteria				
Acinetobacter baumannii		✔	✔	✔
Citrobacter freundii	✔	✔	✔	✔
Citrobacter koseri	✔		✔	✔
Enterobacter cloacae (complex)	✔		✔	✔
Escherichia coli	✔	✔	✔	✔
Klebsiella aerogenes			✔	
Klebsiella oxytoca	✔		✔	✔
Klebsiella pneumoniae	✔	✔	✔	✔
Morganella morganii			✔	
Proteus mirabilis	✔	✔	✔	✔
Proteus vulgaris			✔	
Pseudomonas aeruginosa	✔	✔	✔	✔
Serratia marcescens			✔	
Gram-positive bacteria				
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	✔		✔	✔
Pichia kudriavzevii (*Candida krusei*)	✔		✔	✔
Miscellaneous bacteria				
Mycoplasma hominis		✔		
Ureaplasma urealyticum		✔		
Resistance genes				
Aminoglycoside resistance (16S rRNA methylase)	ArmA			
Ampicillin/ AmpC resistance	AmpC		AmpC	AmpC
Carbapenem resistance	KPC, NDM, VIM, IMP	KPC	NDM, KPC, IMP, VIM	KPC
Colistin (Polymyxin) resistance				MCR-1
ESBL resistance			TEM, SHV	
ESBL resistance (CTX-M)	CTX-M		CTX-M	CTX-M
ESBL/ Carbapenem resistance	OXA-48		OXA-48	OXA-48, OXA-23
Erythromycin resistance		ermA,ermB	ermA,ermB, ermC	ermA,ermB, ermC
Methicillin resistance	mecA	mecA	mecA, mecC	mecA
Quinolone and fluoroquinolone resistance	QnrB/QnrS	QnrA, QnrB		QnrA, QnrB
Sulfonamide resistance		Sul1		

Urinary tract infections (UTI) (continued)	UTI AMR v1	UTI AMR v2	UTI AMR v3	UTI AMR v4
Resistance genes (continued)				
Tetracycline resistance				TetM
Trimethoprim resistance		dfrA1, dfrA5, dfrA12, dfrA17		
Vancomycin resistance	vanA,vanB	vanA,vanB	vanA,vanB	vanA/B/C

Sexually-transmitted infections (STI) - Target	STI v1	STI v2	STI v3 (CT/NG/TV)
Gram-negative bacteria			
Chlamydia trachomatis	✔	✔	✔
Neisseria gonorrhoeae	✔	✔	✔
Treponema pallidum	✔	✔	
Haemophilus ducreyi		✔	
Miscellaneous bacteria			
Ureaplasma urealyticum	✔		
Ureaplasma parvum	✔	✔	
Mycoplasma genitalium	✔	✔	
Mycoplasma hominis		✔	
Gardnerella vaginalis	✔	✔	
Streptococcus agalactiae		✔	
Protozoa/ Parasites			
Trichomonas vaginalis	✔	✔	✔
Viruses			
HSV1	✔	✔	
HSV2	✔	✔	

Nail fungal - Target	Nail fungal v1	Nail fungal v2
Fungi		
Alternaria spp.	✔	✔
Aspergillus spp.	✔	
Aspergillus fumigatus		✔
Aspergillus niger		✔
Candida spp.	✔	
Candida albicans	✔	✔
Candida glabrata	✔	✔
Candida auris	✔	
Candida parapsilosis		✔
Candida tropicalis / Pichia kudriavzevii (Candida krusei) pool		✔
Cryptococcus neoformans	✔	
Cryptococcus spp.		✔
Epidermophyton floccosum	✔	✔
Fusarium spp.	✔	
Fusarium solani		✔
Malassezia spp.	✔	
Microsporum audouinii	✔	✔
Microsporum canis	✔	✔
Mucor spp.	✔	
Trichophyton spp.	✔	
Trichophyton pool: *Trichophyton interdigitale, Trichophyton mentagrophytes, Trichophyton tonsurans*		✔
Trichophyton rubrum		✔

Gastrointestinal (GI) - Target	GI v1
Bacteria	
Clostridium difficile (toxin A/B)	✔
Campylobacter jejuni, Campylobacter upsaliensis, Campylobacter coli)	✔
Salmonella spp.	✔
E. coli VTEC/ STEC (STX1/ STX2)	✔
E. coli EIEC/ *Shigella* spp.	✔
Yersinia enterocolitica	✔
E. coli EPEC	✔
E. coli ETEC (lt/st)	✔
E. coli EAEC	✔
E. coli STEC O157:H7	✔
Plesiomonas shigelloides	✔
Helicobacter pylori	✔
Vibrio cholerae	✔
Vibrio parahaemolyticus	✔
Vibrio vulnificus	✔
Protozoa/ Parasites	
Entamoeba histolytica	✔
Cryptosporidium spp.	✔
Giardia lamblia (*Giardia duodenalis*)	✔
Cyclospora cayetanensis	✔
Viruses	
Norovirus GI	✔
Norovirus GII	✔
Adenovirus F40/41	✔
Sapovirus (I, II, IV, V)	✔
Astrovirus	✔
Rotavirus A	✔

Respiratory Pathogen Panel (RPP) - Target	RPP Mini	RPP v2	RPP v3
Gram-negative bacteria			
Klebsiella spp. *(K. pneumoniae, K. oxytoca, K. variicola, K. michiganensis)*			✔
Haemophilus influenzae			✔
Coxiella burnetii			✔
Moraxella catarrhalis			✔
Proteus spp. *(P. mirabilis, P. vulgaris)*			✔
Enterobacter cloacae			✔
Acinetobacter baumannii			✔
E. coli			✔
Pseudomonas aeruginosa			✔
Bordetella holmesii			✔
Bordetella parapertussis			✔
Bordetella pertussis			✔

Respiratory Pathogen Panel (RPP) - Target (continued)	RPP Mini	RPP v2	RPP v3
Gram-positive bacteria			
Streptococcus agalactiae			✔
Staphylococcus aureus			✔
Streptococcus pneumoniae			✔
Streptococcus pyogenes			✔
Streptococcus dysgalactiae			✔
Atypical / miscellaneous bacteria			
Mycoplasma pneumoniae		✔	✔
Chlamydia pneumoniae		✔	✔
Legionella pneumophila			✔
Legionella longbeachae			✔
Fungi			
Aspergillus spp. *(A. niger, A. terreus, A. flavus, A. fumigatus)*			✔
Candida spp. *(C. glabrata, C. parapsilosis, C. tropicalis, C. albicans)*			✔
Pneumocystis jirovecii			✔
Viruses			
RSV A/B	✔	✔	✔
SARS-CoV-2	✔	✔	✔
Influenza A	✔	✔	✔
Influenza B	✔	✔	✔
Human Metapneumovirus		✔	✔
Influenza A – H1		✔	✔
Influenza A – H3		✔	✔
Parainfluenza 1		✔	✔
Parainfluenza 2		✔	✔
Parainfluenza 3		✔	✔
Parainfluenza 4		✔	✔
Coronavirus 229E		✔	✔
Coronavirus HKU1		✔	✔
Coronavirus NL63		✔	✔
Coronavirus OC43		✔	✔
Rhinovirus		✔	
Human Rhino/Enterovirus			✔
Human Bocavirus		✔	✔
Adenovirus B type		✔	✔
Human Parechovirus			✔
EBV			✔
Resistance genes			
CTX-M			✔
Van A/B			✔
mecA			✔
VIM/IMP			✔
OXA-48			✔
NDM			✔
KPC			✔
Van A/B			✔

Women's health - Target	Women's health v1	Women's health v2
BV-associated bacteria and anaerobes		
Atopobium vaginae	✔	✔
BVAB1		✔
BVAB2	✔	✔
BVAB3		✔
Megasphaera Type 1	✔	✔
Megasphaera Type 2	✔	✔
Mobiluncus curtisii	✔	✔
Mobiluncus mulieris	✔	✔
Prevotella bivia	✔	✔
Lactobacillus species (protective flora)		
Lactobacillus crispatus	✔	
Lactobacillus jensenii	✔	
Lactobacillus gasseri	✔	
Lactobacillus iners	✔	✔
Aerobic vaginitis / other bacteria		
Streptococcus agalactiae	✔	
Enterococcus faecalis	✔	
Escherichia coli	✔	
Staphylococcus aureus	✔	
Haemophilus ducreyi	✔	✔
Mycoplasma hominis	✔	
Fungi		
Candida albicans	✔	
Candida glabrata	✔	
Candida parapsilosis	✔	
Candida tropicalis	✔	
Candida auris	✔	
Pichia kudriavzevii (*Candida krusei*)	✔	
Clavispora lusitaniae	✔	
Trichophyton spp.	✔	
Human Papillomavirus (HPV)		
HPV 16	✔	✔
HPV 18	✔	✔
HPV 45	✔	✔
Other High Risk HPV (31, 33, 35, 39, 51, 52, 56, 58, 59, 66, 68)	✔	
Resistance genes		
Ampicillin/AmpC resistance	AmpC	
Carbapenem resistance	NDM, KPC, VIM, OXA-48, OXA-23	
ESBL resistance (CTX-M)	CTX-M	
Colistin (Polymyxin) resistance	MCR-1	
Methicillin resistance	mecA	
Vancomycin resistance	vanA/B/C	
Quinolone resistance	QnrA, QnrB	
Macrolide resistance	ErmA/B/C	
Tetracycline resistance	TetM	

Wound - Target	Wound
Gram-negative bacteria	
Pantoea agglomerans	✔
Bacteroides fragilis	✔
Bacteroides pyogenes	✔
Fusobacterium nucleatum	✔
Fusobacterium necrophorum	✔
Klebsiella aerogenes	✔
Prevotella bivia	✔
Prevotella loescheii	✔
Prevotella intermedia	✔
Prevotella oralis	✔
Morganella morganii	✔
Moraxella catarrhalis	✔
Klebsiella pneumoniae	✔
Proteus mirabilis	✔
Proteus vulgaris	✔
Klebsiella oxytoca	✔
Escherichia coli	✔
Serratia marcescens	✔
Kingella kingae	✔
Citrobacter braakii	✔
Citrobacter freundii	✔
Citrobacter koseri	✔
Acinetobacter baumannii	✔
Stenotrophomonas maltophilia	✔
Pseudomonas aeruginosa	✔
Enterobacter cloacae	✔
Gram-positive bacteria	
Clostridium perfringens	✔
Clostridium difficile (toxin A/B)	✔
Clostridium novyi	✔
Clostridium septicum	✔
Clostridium botulinum	✔
Peptoniphilus spp.	✔
Corynebacterium spp.	✔
Cutibacterium acnes (Propionibacterium acnes)	✔
Finegoldia magna	✔
Streptococcus pyogenes	✔
Anaerococcus prevotii	✔
Anaerococcus vaginalis	✔
Peptostreptococcus anaerobius	✔
Streptococcus dysgalactiae	✔
Streptococcus agalactiae	✔
Enterococcus faecalis	✔
Enterococcus faecium	✔
Staphylococcus aureus	✔
Staphylococcus saprophyticus	✔
Staphylococcus haemolyticus	✔
Staphylococcus epidermidis	✔
Staphylococcus lugdunensis	✔
Staphylococcus cohnii	✔
Staphylococcus simulans	✔

Download Product Catalog

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

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

GenePath Diagnostics Inc.
674 South Wagner Road, Ann Arbor, MI 48103, USA
Phone: +1 734 365 7722

sales.usa@genepathdx.com | www.genepathdx.com