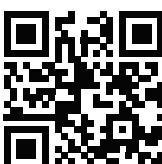


2024

# MOLECULAR DIAGNOSTIC

PRODUCT CATALOG

VITROSENS



**IN  
TEST  
WE  
TRUST**

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# ABOUT US

## | Our Story |

Vitrosens Biotechnology headquartered in Türkiye, by a group of entrepreneurs with a successful track record in building and scaling diagnostics and global health businesses. The company is a leading diagnostics firm committed to advancing science and improving the world through innovative technologies and groundbreaking research.



Our company operates the largest rapid test kit facility in Türkiye, and our manufacturing processes are carried out under EN ISO 9001: 2015 and ISO 13485: 2016 compliant quality systems. The company's success is founded on our expertise in molecular biology, genetics, biochemistry, in-vitro-diagnostic (IVD), immunology, and point-of-care testing (POCT).



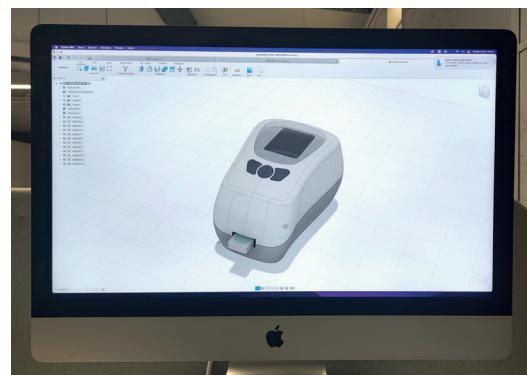
## | Why Vitrosens? |

- Broad Test Spectrum
- Innovative IVD Products
- Experienced R&D and P&D Team
- Central Location- Fast Delivery to All The World
- Daily Production Capacity: 500.000 Tests
- 10.000 m<sup>2</sup> Production Area
- Environmental Friendly

## | Our Solutions |

We have set ourselves a target to take a part in every field of human health and animal health.

- Rapid Test Kits Development
- Molecular Products Development
- Diagnostic Device Development
- OEM (Original Equipment Manufacturer)
- ODM (Original Design Manufacturer)



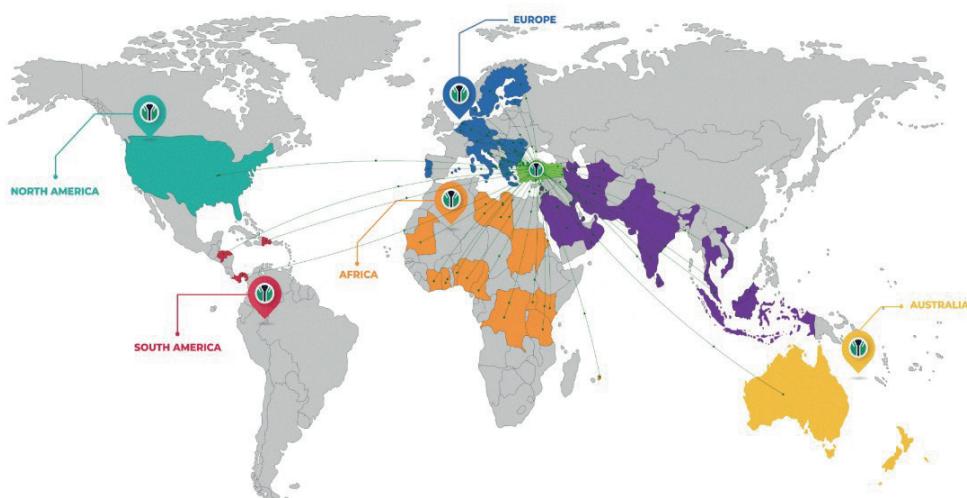
## | Global Presence |

**+50**  
Countries Worldwide

**6**  
Continents

**+250**  
Partner Companies

**+50M**  
Total Tests



## | Our Brands |

We have created many sub-brands to provide better and faster service. These brands are;



# |Polymerase Chain Reaction Systems |

The PCR Instruments are a specialized laboratory device used for quantitative polymerase chain reaction (qPCR) analysis. It is designed for real-time PCR, which allows for the monitoring and quantification of DNA amplification as it occurs during the reaction. The instruments are a valuable tool in various fields, including molecular biology, genetics, microbiology, and medical research.

- Improved optical system for high specificity and sensitive detection.
  - Reduced operating time.
  - Power-off protection. Avoid the loss of experimental data and waste of reagents due to abrupt power-off.
  - High sample throughput in diagnostic lab applications.
- 



## Real-Time Fluorescence Quantitative PCR Instrument



The Real-Time Fluorescence Quantitative PCR Instrument is a portable real-time quantitative PCR system with 8 sample channels, which is designed for PCR detection.



## | Performance Parameters |

REF No.	NGX8-2F	NGX8-4F
<b>Sample Capacity</b>	8 well	8 well
<b>Fluorescence channel</b>	<b>2 Channels</b>	<b>4 channels</b>
<b>Reaction Volume</b>	0.2 ml	0.2 ml
<b>Consumables</b>	0.2 ml 8-strip/0.2 ml single flat cap PCR tube	0.2 ml 8-strip/0.2 ml single flat cap PCR tube
<b>Temperature Range</b>	0-100 °C	0-100 °C
<b>Heating/Cooling Method</b>	Peltier	Peltier
<b>Max. Heating Rate</b>	9 °C/sec	9 °C/sec
<b>Max. Cooling Rate</b>	7 °C/sec	7 °C/sec
<b>Temperature Accuracy</b>	± 1 °C	± 1 °C
<b>Control Modes</b>	Direct Control	Direct Control
<b>Detector</b>	Photodiode	Photodiode
<b>LIS Connection</b>	CSV, Excell, TXT Format	CSV, Excell, TXT Format
<b>Dimention</b>	268mm X 236mm X 188mm	268mm X 236mm X 188mm
<b>Weight</b>	4.5 Kg	4.7 Kg
<b>Power Supply</b>	AC 110 V/ 220 V (50/60 Hz)	AC 110 V/ 220 V (50/60 Hz)

# Real-Time Fluorescence Quantitative PCR Instrument



The Real-Time Fluorescence Quantitative PCR Instrument is a portable real-time quantitative PCR system with 16 sample channels, which is designed for PCR detection.



## | Performance Parameters |

REF No	NGX16-2F	NGX16-4F
<b>Sample Capacity</b>	16 well	16 well
<b>Fluorescence channel</b>	<b>2 Channels</b>	<b>4 channels</b>
<b>Reaction Volume</b>	0.2 ml	0.2 ml
<b>Consumables</b>	0.2 ml 8-strip/0.2 ml single flat cap PCR tube	0.2 ml 8-strip/0.2 ml single flat cap PCR tube
<b>Temperature Range</b>	10-100 °C	10-100 °C
<b>Heating/Cooling Method</b>	Peltier	Peltier
<b>Max. Heating Rate</b>	5 °C/sec	5 °C/sec
<b>Max. Cooling Rate</b>	4 °C/sec	4 °C/sec
<b>Temperature Accuracy</b>	± 0.1 °C	± 0.1 °C
<b>Control Modes</b>	Direct Control	Direct Control
<b>Detector</b>	Photodiode	Photodiode
<b>Network Connection</b>	Internet interface, USB, Wifi	Internet interface, USB, Wifi
<b>Dimension</b>	205 mm X 156 mm X 153 mm	205 mm X 156 mm X 153 mm
<b>Weight</b>	3.2 Kg	3.5 Kg
<b>Power Supply</b>	AC 110 V/ 220 V (50/60 Hz)	AC 110 V/ 220 V (50/60 Hz)

# PCR KITS



The ChainFor™ PCR Kits are a set of reagents, enzymes, and buffers designed for conducting the polymerase chain reaction (PCR). The ChainFor™ PCR Kit is provided in an easy-to-use Master and Oligomix format. ChainFor™ PCR Master Mix and Oligomix contain preoptimized concentrations of DNA Polymerase and MgCl<sub>2</sub>, plus dNTPs and an innovative PCR buffer specially developed for PCR. The kit enables success in monoplex, multiplex, and Panel PCR. There is no need to optimize reaction conditions (e.g., the concentrations of primers, Mg<sup>2+</sup>, and Taq DNA polymerase) and cycling parameters due to unique preoptimized reagents included in the kit.



## Advantages

- Easy workflow & and compatibility with various Real-Time qPCR instruments
- Ready to use
- Simple, rapid, and accurate detection
- High sensitivity detection
- Monoplex, Multiplex, and Pathogen genotyping experiment procedures
- FAM, ROX, Cy5, and HEX channel-based detection
- <60 minutes reaction
- Sensitivity: >98%
- Specificity: >98%

## Compatible Real-Time PCR Systems:

- Biorad CFX96
- Thermo Scientific Quant Studio 5
- Qiagen Rotor-Gene Q
- Tialong Genteier 96R

# GASTROENTERITIS PATHOGENS

## | Gastroenteritis ID-24 Genotyping qPCR Kit |

The Gastroenteritis ID-24 Genotyping qPCR Kit is a diagnostic tool for detecting and genotyping various gastroenteritis-causing agents (viruses, bacteria, and parasites) from rectal or stool swab samples. It employs Real-Time PCR technology to simultaneously identify up to 24 different targets, including a human genome control and uses multiple fluorescent channels for detection.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7
<i>Salmonella</i> spp.	●						
<i>Campylobacter</i> spp.	●						
<i>Vibrio parahaemolyticus</i>	●						
<i>Vibrio cholera</i>		●					
<i>Yersinia enterocolitica</i>		●					
<i>Plesiomonas shigelloides</i>	●						
<i>Shigella/Enteroinvasive E. coli (EIEC)</i>	●						
<i>Enteropathogenic E. coli (EAEC)</i>			●				
<i>Shiga toxin-producing E. coli (STEC)</i>			●				
<i>Enteropathogenic E. coli (EPEC)</i>			●				
<i>Enterotoxigenic E. coli (ETEC)</i>			●				
<i>Clostridium difficile</i>				●			
<i>Clostridium difficile</i> toxin A				●			
<i>Clostridium difficile</i> toxin B				●			
<i>Clostridium difficile</i> binary toxin A/B				●			
Sapovirus (GI/GII/GIV/GV)					●		
Astrovirus					●		
Norovirus (GI/GII)					●		
Rotavirus (A/B)					●		
Adenovirus						●	
<i>Giardia lamblia</i>						●	
<i>Entamoeba histolytica</i>						●	
<i>Cryptosporidium</i> spp.						●	
<i>Cyclospora cayetanensis</i>							●

# GASTROENTERITIS PATHOGENS

## | ALL GASTROENTERITIS PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP20	<b>Gastroenteritis Viral Pathogen Detection qPCR Kit</b>	<b>5 Viral Pathogens:</b> Sapovirus (GI/GII/GIV/GV), Astrovirus, Norovirus (GI/GII), Rotavirus (A), Adenovirus
CFP21	<b>Gastroenteritis Bacterial Pathogen Detection qPCR Kit</b>	<b>15 Bacterial Pathogen Targets:</b> <i>Salmonella spp.</i> , <i>Campylobacter spp.</i> , <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholera</i> , <i>Yersinia enterocolitica</i> , <i>Plesiomonas shigelloides</i> , <i>Shigella/Enteroinvasive E.coli (EIEC)</i> , <i>Enteropathogenic E.coli (EAEC)</i> , <i>Enteropathogenic E.coli (EPEC)</i> , <i>Enterotoxigenic E.coli (ETEC)</i> , <i>Clostridium difficile</i> , <i>Clostridium difficile toxin A</i> , <i>Clostridium difficile toxin B</i> , <i>Clostridium difficile binary toxin A/B</i> , <i>Shiga toxin-producing E. coli (STEC)</i> ,
CFP22	<b>Gastroenteritis Parasitic Pathogen Detection qPCR Kit</b>	<b>4 Parasitic Pathogen Targets:</b> <i>Giardia lamblia</i> , <i>Entamoeba histolytica</i> , <i>Cryptosporidium spp.</i> , <i>Cyclospora cayetanensis</i> ,
CFP23	<b>Gastroenteritis ID-24 Genotyping qPCR Kit</b>	<b>19 Bacterial Pathogen Targets:</b> <i>Salmonella spp.</i> , <i>Campylobacter spp.</i> , <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholera</i> , <i>Yersinia enterocolitica</i> , <i>Plesiomonas shigelloides</i> , <i>Shigella/Enteroinvasive E.coli (EIEC)</i> , <i>Enteropathogenic E.coli (EPEC)</i> , <i>Enterotoxigenic E.coli (ETEC)</i> , <i>Clostridium difficile</i> , <i>Clostridium difficile toxin A</i> , <i>Clostridium difficile toxin B</i> , <i>Clostridium difficile binary toxin A/B</i> , <i>Giardia lamblia</i> , <i>Entamoeba histolytica</i> , <i>Cryptosporidium spp.</i> , <i>Cyclospora cayetanensis</i> <b>5 Viral Pathogens:</b> Sapovirus (GI/GII/GIV/GV), Astrovirus, Norovirus (GI/GII), Rotavirus (A/B), Adenovirus
CFP30	<b>Salmonella spp. Detection qPCR Kit</b>	<i>Salmonella spp.</i>
CFP31	<b>Campylobacter spp. Detection qPCR Kit</b>	<i>Campylobacter spp.</i>
CFP32	<b>Yersinia enterocolitica Detection qPCR Kit</b>	<i>Yersinia enterocolitica</i>
CFP33	<b>Shigella + Enteroinvasive E. coli (EIEC) Detection qPCR Kit</b>	<b>2 Bacterial Pathogens</b> <i>Shigella (S. dysenteriae, S. flexneri, S. boydii and S. sonnei) + Enteroinvasive E. coli</i>
CFP34	<b>Clostridium difficile Detection qPCR Kit</b>	<i>Clostridium difficile</i>
CFP35	<b>Clostridium difficile toxin A Detection qPCR Kit</b>	<i>Clostridium difficile toxin A</i>
CFP36	<b>Clostridium difficile toxin B Detection qPCR Kit</b>	<i>Clostridium difficile toxin B</i>
CFP37	<b>Clostridium difficile binary toxin A/B Detection qPCR Kit</b>	<i>Clostridium difficile binary toxin A + B</i>
CFP38	<b>Adenovirus Detection qPCR Kit</b>	Adenovirus
CFP39	<b>Astrovirus Detection qPCR Kit</b>	Astrovirus
CFP40	<b>Norovirus GI Detection qPCR Kit</b>	Norovirus GI

## | ALL GASTROENTERITIS PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP41	<b>Norovirus GII Detection qPCR Kit</b>	Norovirus GII
CFP42	<b>Rotavirus Detection qPCR Kit</b>	Rotavirus
CFP43	<b>Sapovirus Detection qPCR Kit</b>	Sapovirus
CFP44	<b>Yersinia enterocolitica Detection qPCR Kit</b>	<i>Yersinia enterocolitica</i>
CFP45	<b>Cryptosporidium Detection qPCR Kit</b>	<i>Cryptosporidium</i>
CFP46	<b>Entamoeba histolytica Detection qPCR Kit</b>	<i>Entamoeba histolytica</i>
CFP47	<b>Giardia lamblia Detection qPCR Kit</b>	<i>Giardia lamblia</i>
CFP48	<b>Dientamoeba fragilis Detection qPCR Kit</b>	<i>Dientamoeba fragilis</i>
CFP49	<b>Entamoeba dispar Detection qPCR Kit</b>	<i>Entamoeba dispar</i>
CFP51	<b>E. coli EHEC + EPEC + EIEC Detection qPCR Kit</b>	<b>3 Bacterial Pathogens</b> <i>Enterohemorrhagic E.coli (EHEC) + Enteropathogenic E.coli (EPEC) + Enteroinvasive E.coli (EIEC)</i>
CFP52	<b>E. coli ETEC + EIEC Detection qPCR Kit</b>	<b>2 Bacterial Pathogens</b> <i>Enterotoxigenic E. coli (ETEC) + Enteroinvasive E. coli (EIEC)</i>
CFP53	<b>Aeromonas + Yersinia enterocolitica Detection qPCR Kit</b>	<b>2 Bacterial Pathogens</b> <i>Aeromonas + Yersinia enterocolitica</i>
CFP54	<b>Campylobacter coli + C. lari + C. Jejuni Detection qPCR Kit</b>	<b>3 Bacterial Pathogens</b> <i>Campylobacter coli + Campylobacter lari + Campylobacter jejuni</i>
CFP55	<b>Salmonella + Campylobacter + Shigella+ EIEC Detection qPCR Kit</b>	<b>4 Bacterial Pathogens</b> <i>Salmonella + Campylobacter + Shigella + Enteroinvasive E. coli (EIEC)</i>
CFP56	<b>Salmonella + Campylobacter + Yersinia enterocolitica Detection qPCR Kit</b>	<b>3 Bacterial Pathogens</b> <i>Salmonella + Campylobacter + Yersinia enterocolitica</i>
CFP57	<b>Norovirus GI + GII Detection qPCR Kit</b>	Norovirus GI + GII
CFP58	<b>Blastocystis hominis + Dientamoeba fragilis Detection qPCR Kit</b>	<i>Blastocystis hominis + Dientamoeba fragilis</i>
CFP59	<b>Cryptosporidium + Giardia + E. Histolytica Detection qPCR Kit</b>	<i>Cryptosporidium + Giardia + Entamoeba histolytica</i>
CFP78	<b>Parechovirus Detection qPCR Kit</b>	Parechovirus

# RESPIRATORY PATHOGENS

## | Respiratory ID-25 Genotyping qPCR Kit |

The Respiratory Infection ID-25 Genotyping qPCR Kit is a diagnostic tool for detecting and genotyping various respiratory agents (viruses and bacteria) from various respiratory sample types. It uses Real-Time PCR technology to simultaneously identify up to 24 different targets, including a human genome control and employs multiple fluorescent channels for detection. The intended use and product description are quite similar to the gastroenteritis kit but are tailored to respiratory infections.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7
SARS-CoV-2	●						
Adenovirus	●						
<i>Bordetella pertussis</i>	●						
<i>Chlamydophila pneumoniae</i>		●					
Epstein-Barr virus (EBV)		●					
Haemophilus influenza		●					
Human Bocavirus		●					
Human Corona 229E			●				
Human Corona HKU1			●				
Human Corona NL63			●				
Human Corona OC43			●				
Human Enterovirus				●			
Human Metapneumovirus				●			
Human Parainfluenza 1, 2, 3 and 4				●			
Human Parechovirus				●			
Human Rhinovirus					●		
Influenza A/B (Include H1Nx)					●		
<i>Klebsiella pneumoniae</i>					●		
<i>Legionella pneumophila</i>					●		
<i>Moraxella catarrhalis</i>						●	
<i>Mycoplasma pneumoniae</i>						●	
Respiratory syncytial virus A/B						●	
<i>Staphylococcus aureus</i>						●	
<i>Streptococcus pneumoniae</i>							●
<i>Streptococcus pyogenes</i>							●

## | ALL RESPIRATORY PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP01	SARS-CoV-2 Detection RT-qPCR Kit	SARS-CoV-2 (S, N, RdRp genes)
CFP05	SARS-CoV-2 & Flu A/B Detection RT-qPCR Kit	<b>3 Viral Pathogens:</b> SARS-CoV-2 + Influenza A + Influenza B
CFP06	SARS-CoV-2 & Flu & RSV Detection RT-qPCR Kit	<b>4 Viral Pathogens:</b> SARS-CoV-2, Flu (A,B), RSV
CFP12	Respiratory ID-25 Genotyping qPCR Kit	<b>9 Bacterial Pathogens:</b> <i>Bordetella pertussis, Chlamydophila pneumoniae, Klebsiella pneumoniae, Legionella pneumophila, Moraxella catarrhalis, Mycoplasma pneumoniae, Staphylococcus aureus, Streptococcus pneumoniae, Streptococcus pyogenes</i> <b>16 Viral Pathogens:</b> SARS-CoV-2, Adenovirus, Epstein-Barr virus (EBV), Haemophilus influenza, Human Bocavirus, Human Corona 229E, Human Corona HKU1, Human Corona NL63, Human Corona OC43, Human Enterovirus, Human Metapneumovirus, Human Parainfluenza 1,2,3, and 4, Human Parechovirus, Human Rhinovirus, Influenza A/B (include H1Nx), Respiratory syncytial virus A/B
CFP13	Respiratory ID-4 Genotyping qPCR Kit	<b>4 Viral Pathogens:</b> SARS-CoV-2 + Influenza A + Influenza B + RSV
CFP19	Mycobacterium Tuberculosis Detection qPCR Kit	<b>Bacterial Pathogen:</b> <i>Mycobacterium Tuberculosis (M.tuberculosis, M.bovis, M.africanum, M.microti, M.caprae, M.canetti, and vaccine strain BCG)</i>
CFP25	Ear, Nose & Throat (ENT) Infection ID-29 Genotyping qPCR Kit	<b>13 Bacterial Pathogens:</b> <i>Chlamydia trachomatis, Staphylococcus aureus, Streptococcus pyogenes (Group A), Neisseria gonorrhoeae, Alloioococcus otitis, Haemophilus influenzae, Escherichia coli, Klebsiella pneumoniae, Moraxella catarrhalis, Pseudomonas aeruginosa, Proteus mirabili, Staphylococcus epidermidis, Streptococcus pneumoniae, 6 Viral Pathogens Herpes Simplex Virus 1, Herpes Simplex Virus 2, Cytomegalovirus (Human Herpes Virus 5), Human Herpes Virus 6, Varicella Zoster Virus (Human Herpes Virus 3), Epstein-Barr virus,</i> <b>1 Parasitic Pat.:</b> <i>Trichomonas vaginalis</i> <b>9 Fungal Pathogens:</b> <i>Candida albicans, Candida glabrata, Candida krusei, Candida parapsilosis, Candida tropicalis, Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, Aspergillus terreus,</i>
CFP29	SARS-CoV-2 Multiplex Real-Time PCR Kit	S, N, ORF1AB
CFP60	H1N1 Detection qPCR Kit	Influenza A (H1N1)
CFP61	Mycoplasma pneumoniae Detection qPCR Kit	Mycoplasma pneumoniae
CFP62	Streptococcus pneumoniae Detection qPCR Kit	Streptococcus Pneumoniae
CFP63	Legionella Pneumoniae Detection qPCR Kit	Legionella Pneumonia
CFP64	Influenza A/B Detection qPCR Kit	Influenza A/B
CFP65	Influenza A ID-4 Genotyping Detection qPCR Kit	<b>4 Viral Pathogens</b> Influenza A, Influenza A-H1, Influenza A H5Nx, Influenza A H7Nx
CFP66	Influenza ID-3 Genotyping Detection qPCR Kit	<b>3 Viral Pathogens</b> Influenza A + Influenza B + Influenza A-H1
CFP67	Influenza ID-2 Genotyping Detection qPCR Kit	<b>2 Viral Pathogens</b> Influenza A + Influenza B
CFP77	Human Metapneumovirus (hMPV) Detection qPCR Kit	Human Metapneumovirus (hMPV)
CFP79	Rhinovirus Detection qPCR Kit	Rhinovirus
CFP80	Bordetella pertussis Detection qPCR Kit	Bordetella pertussis
CFP81	Moraxella catarrhalis Detection qPCR Kit	Moraxella catarrhalis
CFP90	Measles Detection qPCR Kit	Measles
CFP103	Mumps Detection qPCR Kit	Mumps

# SEXUALLY TRANSMITTED INFECTION PATHOGENS

## | STI ID-13 Genotyping qPCR Kit |

The STI ID-13 Genotyping qPCR Kit is a diagnostic tool designed for the qualitative detection of sexually transmitted infections (STIs) caused by viral and bacterial pathogens. It utilizes Real-Time PCR technology, which provides rapid and sensitive results in 4 tubes for the detection of up to 13 different STI pathogens. This kit is intended for in vitro diagnosis and can be applied to samples obtained from genital swabs, genital fluids, and biopsies. The presence of at least one positive result for a target on the STI pathogens' genome is indicated for diagnosis. In areas where STI pathogens are prevalent, multiple discriminating targets can be used for diagnosis. The kit also includes an internal control targeting the RNase P gene in the human genome to ensure test quality and reliability. It uses different fluorescent channels (FAM, ROX, Cy5, HEX) for specific target identification.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4
<i>Neisseria Gonorrhoeae</i>	●			
<i>Chlamydia trachomatis</i>	●			
<i>Ureaplasma urealyticum</i>	●			
<i>Mycoplasma hominis</i>		●		
HSV-2		●		
<i>Treponema pallidum</i>		●		
<i>Ureaplasma Urealyticum</i>		●		
HSV-1			●	
<i>Gardnerella vaginalis</i>			●	
<i>Mycoplasma genitalium</i>			●	
<i>Haemophilus Ducreyi</i>			●	
<i>Streptococcus agalactiae</i>				●
<i>Trichomonas vaginalis</i>				●

## | ALL SEXUALLY TRANSMITTED INFECTION PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP02	<b>HBV qPCR Kit</b>	Hepatitis B
CFP03	<b>HCV qPCR Kit</b>	Hepatitis C
CFP04	<b>HIV qPCR Kit</b>	HIV
CFP07	<b>HPV Screening ID-15 qPCR Kit</b>	<p><b>13 Pool of hrHPV:</b> 31, 33, 35, 39, 45, 52, 56, 58, 59, 66, 68, 70 and 51.</p> <p><b>2 Genotypes of hrHPV:</b> 16,18</p>
CFP08	<b>HPV Screening ID-26 qPCR Kit</b>	<p><b>24 Pool of hrHPV:</b> 6, 11, 30, 31, 33, 35, 39, 45, 52, 56, 58, 59, 66, 68, 70, 82, 73, 97, 34, 51, 53, 67, 26, 69</p> <p><b>2 Genotypes of hrHPV:</b> 16,18</p>
CFP09	<b>HPV ID-14 Genotyping qPCR Kit</b>	<b>14 Genotypes of hrHPV:</b> 16, 18, 31, 33, 35, 39, 45, 52, 56, 58, 59, 66, 68, 70
CFP10	<b>STI ID-10 Genotyping qPCR Kit</b>	<p><b>7 Bacterial Pathogens:</b> <i>Treponema pallidum, Gardnerella vaginalis, Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma hominis, Mycoplasma genitali-um, Ureaplasma parvum</i></p> <p><b>2 Viral Pathogens:</b> <i>Herpes Simplex Virus-1, Herpes Simplex Virus-2</i></p> <p><b>Parasitic Agents:</b> <i>Trichomonas vaginalis</i></p>
CFP11	<b>STI ID-13 Genotyping qPCR Kit</b>	<p><b>10 Bacterial Pathogens:</b> <i>Treponema pallidum, Gardnerella vaginalis, Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma hominis, Mycoplasma genitalium, Ureaplasma parvum, Ureaplasma Urealyticum, Haemophilus Ducreyi, Streptococcus agalactiae</i></p> <p><b>2 Viral Pathogens:</b> <i>Herpes Simplex Virus-1, Herpes Simplex Virus-2</i></p> <p><b>Parasitic Agents:</b> <i>Trichomonas vaginalis</i></p>
CFP14	<b>Vaginosis ID-20 Genotyping qPCR Kit</b>	<p><b>16 Bacterial Pathogens:</b> <i>Haemophilus ducreyi, Bacterial Vaginosis Associated Bacteria-2 (BVAB- 2), Enterococcus faecalis, Escherichia coli, Fannynessea vaginæ, Lactobacillus crispatus, Lactobacillus gasseri, Lactobacillus iners, Lactobacillus jensenii, Megasphaera phylotype 1 (MP1), Megasphaera phylotype 2 (MP2), Mobiluncus curtisi, Mobiluncus mulieris, Prevotella bivia, Staphylococcus aureus, Streptococcus agalactiae</i></p> <p><b>4 Fungal Pathogens:</b> <i>Candida albicans, Candida glabrata</i></p>
CFP15	<b>Vaginosis ID-30 Genotyping qPCR Kit</b>	<p><b>24 Bacterial Pathogens:</b> <i>Haemophilus ducreyi, Bacterial Vaginosis Associated Bacteria-2 (BVAB- 2), Enterococcus faecalis, Escherichia coli, Fannynessea vaginæ, Lactobacillus crispatus, Lactobacillus gasseri, Lactobacillus iners, Lactobacillus jensenii, Megasphaera phylotype 1 (MP1), Megasphaera phylotype 2 (MP2), Mobiluncus curtisi, Mobiluncus mulieris, Prevotella bivia, Staphylococcus aureus, Streptococcus agalactiae, Chlamydia trachomatis, Gardnerella vaginalis, Mycoplasma genitalium, Mycoplasma hominis, Neisseria gonorrhoeae, Treponema pallidum, Trichomonas vaginalis, Ureaplasma urealyticum,</i></p> <p><b>4 Fungal Pathogens:</b> <i>Candida albicans, Candida glabrata, Candida parapsilosis, Candida tropicalis,</i></p> <p><b>2 Viral Pathogens:</b> <i>Herpes simplex virus 1, Herpes simplex virus 2</i></p>
CFP26	<b>Men's Health ID-33 Genotyping qPCR Kit</b>	<p><b>33 Bacterial Pathogens:</b> <i>Candida albicans, Candida dubliniensis, Candida glabrata, Candida krusei, Candida lusitaniae, Candida parapsilosis, Candida tropicalis, Chlamydia trachomatis, Streptococcus group A Neisseria gonorrhoeae, Bacteroides fragilis, Staphylococcus aureus, Streptococcus agalactiae (group B), BVAB2, Enterococcus faecalis, Escherichia coli, Haemophilus ducreyi, Lactobacillus crispatus, Lactobacillus gasseri, Lactobacillus iners, Lactobacillus jensenii, Megasphaera 1, Megasphaera 2, Mobiluncus curtisi, Mobiluncus mulieris, Mycoplasma genitalium, Mycoplasma hominis, Prevotella bivia, Treponema pallidum (Syphilis), Ureaplasma urealyticum</i></p> <p><b>3 Viral Pathogens:</b> <i>Herpes Simplex Virus type 1, Herpes Simplex Virus type 2, Cytomegalovirus (CMV, Human, Herpesvirus-5),</i></p>
CFP68	<b>EBV Detection qPCR Kit</b>	<b>Epstein-Barr</b>

# SEXUALLY TRANSMITTED INFECTION PATHOGENS

## | ALL SEXUALLY TRANSMITTED INFECTION PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP69	<b>CMV Detection qPCR Kit</b>	<i>Cytomegalovirus</i>
CFP70	<b>HEV Detection qPCR Kit</b>	Hepatitis E
CFP71	<b>HAV Detection qPCR Kit</b>	Hepatitis A
CFP72	<b>HDV Detection qPCR Kit</b>	Hepatitis Delta
CFP73	<b>HCMV Detection qPCR Kit</b>	Human Cytomegalovirus
CFP74	<b>HPV 16/18 Genotyping Detection qPCR Kit</b>	<b>2 Genotypes of hrHPV:</b> 16,18
CFP75	<b>Neisseria Gonorrhoeae Detection qPCR Kit</b>	<i>Neisseria Gonorrhoeae</i>
CFP76	<b>Chlamydia Trachomatis Detection qPCR Kit</b>	<i>Chlamydia Trachomatis</i>
CFP82	<b>CT + NG + MG Genotyping Detection qPCR Kit</b>	<b>3 Bacterial Pathogens</b> <i>Chlamydia trachomatis + Neisseria gonorrhoeae + Mycoplasma genitalium</i>
CFP83	<b>Genital Ulcer Genotyping Detection qPCR Kit</b>	HSV 1, HSV 2 <i>Treponema pallidum</i>
CFP84	<b>C. trachomatis Detection qPCR Kit</b>	<i>Chlamydia trachomatis</i>
CFP85	<b>Gardnerella vaginalis Detection qPCR Kit</b>	<i>Gardnerella vaginalis</i>
CFP86	<b>Mycoplasma genitalium Detection qPCR Kit</b>	<i>Mycoplasma genitalium</i>
CFP87	<b>Trichomonas vaginalis Detection qPCR Kit</b>	<i>Trichomonas vaginalis</i>
CFP88	<b>Ureaplasma parvum Detection qPCR Kit</b>	<i>Ureaplasma parvum</i>
CFP89	<b>Vesicular Rash Genotyping Detection qPCR Kit</b>	<i>Vesicular Rash</i>
CFP97	<b>Candida auris Detection qPCR Kit</b>	<i>Candida auris</i>

## | Sepsis ID-30 Genotyping qPCR Kit |

The Sepsis ID-30 Genotyping qPCR Kit is a diagnostic tool designed for the qualitative detection of sepsis, a severe medical condition often caused by bacterial and fungal infections. This kit utilizes Real-Time PCR technology, providing rapid and sensitive results. It can simultaneously identify up to 30 different targets, including both infectious agents and antimicrobial resistance genes associated with sepsis. The kit is intended for in vitro diagnosis and is applied to nucleic acid isolates obtained from whole blood and positive blood culture samples. It includes an internal control targeting the RNase P gene in the human genome to ensure test quality and reliability. Multiple fluorescent channels (FAM, ROX, Cy5, HEX) are used for specific target identification, enhancing the accuracy of the diagnosis.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7	Oligomix 8
<i>Staphylococcus</i> spp.	●							
<i>Acinetobacter baumannii</i>	●							
<i>Escherichia coli</i>	●							
<i>Enterococcus faecalis</i>	●							
<i>Enterococcus faecium</i>		●						
<i>Klebsiella oxytoca</i>		●						
<i>Pseudomonas aeruginosa</i>		●						
<i>Staphylococcus aureus</i>		●						
<i>Klebsiella pneumoniae</i>			●					
<i>Streptococcus pneumoniae</i>			●					
<i>Stenotrophomonas maltophilia</i>			●					
<i>Haemophilus influenza</i>			●					
<i>Candida tropicalis</i>				●				
<i>Enterobacteriaceae</i>				●				
<i>Neisseria meningitidis</i>				●				
<i>Listeria monocytogenes</i>				●				
<i>Candida albicans</i>					●			
<i>Pseudomonas</i> spp.					●			
<i>Streptococcus</i> spp.					●			
<i>Carbapenem resistance (IMP)</i>					●			
<i>Candida krusei</i>						●		
<i>Carbapenem resistance (KPC)</i>						●		
<i>Methicillin Resistance (MecA+C)</i>						●		
<i>Carbapenem Resistance (NDM)</i>						●		
<i>Candida glabrata</i>							●	
<i>Carbapenem resistance (OXA-48)</i>						●		
<i>Vancomycin Resistance (VanA)</i>							●	
<i>Vancomycin Resistance (VanB)</i>							●	
<i>Candida parapsilosis</i>								●
<i>Carbapenem Resistance (VIM)</i>								●

# BLOOD DISEASE

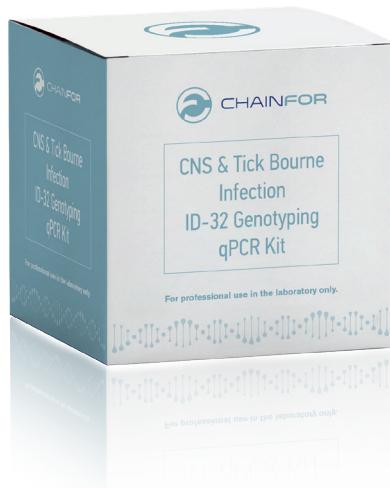
## | ALL BLOOD DISEASE PRODUCTS |

Ref. No	Name	Target
CFP18	Sepsis ID-30 Genotyping qPCR Kits	<p><b>17 Bacterial Pathogens:</b>  <i>Neisseria meningitidis, Enterobacteriaceae, Pseudomonas aeruginosa, Klebsiella pneumoniae, Acinetobacter baumannii, Haemophilus influenzae, Klebsiella oxytoca, Escherichia coli, Stenotrophomonas maltophilia, Pseudomonas spp., Streptococcus pneumoniae, Staphylococcus spp., Staphylococcus aureus, Listeria monocytogenes, Enterococcus faecium, Enterococcus faecalis, Streptococcus spp.</i></p> <p><b>5 Fungal Pathogens:</b>  <i>Candida glabrata, Candida tropicalis, Candida krusei, Candida albicans, Candida parapsilosis</i></p> <p><b>8 Antibiotic Resistance:</b>  VanA, VanB, mecA+C, OXA-48, KPC, NDM, VIM, IMP</p>
CFP93	Parvovirus B19 Detection qPCR kit	Parvovirus B19
CFP104	TTV Detection qPCR kit	Transfusion-Transmitted Virus

# CENTRAL NERVOUS SYSTEM (CNS) PATHOGENS

## | CNS & Tick Bourne Infection ID-32 Genotyping qPCR Kit |

The CNS & Tick-Borne Infection ID-32 Genotyping qPCR Kit is a diagnostic tool designed for the qualitative detection of infections related to the central nervous system (CNS) and those transmitted by ticks. It utilizes Real-Time PCR technology for rapid and sensitive results. This kit can simultaneously identify up to 32 different targets, including viral and bacterial agents associated with these infections. The kit is intended for in vitro diagnosis and is used with nucleic acid isolates obtained from cerebrospinal fluid and blood samples. An internal control targeting the RNase P gene in the human genome is included to ensure the quality and reliability of the test. Multiple fluorescent channels (FAM, ROX, Cy5, HEX) are used for specific target identification, enhancing the accuracy of the diagnosis.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7	Oligomix 8	Oligomix 9
<i>Escherichia coli</i> K1	◎								
<i>Haemophilus influenza</i>	◎								
<i>Listeria monocytogenes</i>	◎								
<i>Neisseria meningitidis</i>		◎							
<i>Streptococcus agalactiae</i>		◎							
<i>Streptococcus pneumoniae</i>		◎							
<i>Cryptococcus neoformans/gatti</i>		◎							
Human parechovirus			◎						
Varicella zoster virus			◎						
Cytomegalovirus			◎						
Herpes simplex virus 2			◎						
Herpes simplex virus 1				◎					
Human herpesvirus 6				◎					
Enterovirus				◎					
<i>Bartonella henselae</i>				◎					
<i>Borrelia burgdorferi</i>					◎				
Colorado tick fever virus					◎				
Powassan virus					◎				
<i>Anaplasma phagocytophilum</i>					◎				
<i>Borrelia hermsii</i>						◎			
<i>Borrelia mayonii</i>						◎			
<i>Borrelia parkerii</i>						◎			
<i>Borrelia turicatae</i>						◎			
<i>Ehrlichia chaffeensis</i>							◎		
<i>Ehrlichia ewingii</i>							◎		
<i>Ehrlichia muris-like</i>							◎		
<i>Francisella tularensis</i>							◎		
<i>Mycoplasma genitalium</i>								◎	
<i>Mycoplasma hominis</i>								◎	
<i>Rickettsia rickettsii</i>								◎	
<i>Rickettsia typhi</i>								◎	
<i>Theileria microti/Babesia microti</i>									◎

# CENTRAL NERVOUS SYSTEM (CNS) PATHOGENS

## | ALL CENTRAL NERVOUS SYSTEM (CNS) PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP24	<b>CNS &amp; Tick Bourne Infection ID-32 Genotyping qPCR Kit</b>	<p><b>23 Bacterial Pathogens:</b></p> <p><i>Escherichia coli K1, Haemophilus influenzae, Listeria monocytogenes, Neisseria meningitidis, Streptococcus agalactiae, Streptococcus pneumoniae, Cryptococcus neoformans/gatti, Bartonella henselae, Borrelia burgdorferi (Lyme disease), Anaplasma phagocytophilum (Human Granulocytic, Anaplasmosis, HGA), Borrelia hermsii (Tick-borne relapsing fever), Borrelia mayonii (Lyme disease), Borrelia parker ii (Tick-borne relapsing fever), Borrelia turicatae (Tick-borne relapsing fever), Ehrlichia chaffeensis (Human Monocytic Ehrlichiosis), Ehrlichia ewingii (Human Monocytic Ehrlichiosis), Ehrlichia muris-like (Human Monocytic Ehrlichiosis), Francisella tularensis (Tularemia), Mycoplasma genitalium, Mycoplasma hominis, Rickettsia rickettsia (Rocky Mountain Spotted Fever), Rickettsia typhi (Murine typhus), Theileria microti/Babesia microti (Babesiosis),</i></p> <p><b>9 Viral Pathogens:</b></p> <p><i>Human parechovirus, Varicella zoster virus (VZV), Cytomegalovirus (CMV), Herpes simplex virus 2 (HSV-2), Herpes simplex virus 1 (HSV-1), Human herpesvirus 6 (HHV-6), Enterovirus, Colorado tick fever virus, Powassan virus (Powassan disease),</i></p>
CFP28	<b>CNS &amp; Tick Bourne Infection ID-15 Genotyping qPCR Kit</b>	<p><b>8 Bacterial Pathogens:</b></p> <p><i>Escherichia coli K1, Haemophilus influenzae, Listeria monocytogenes, Neisseria meningitidis, Streptococcus agalactiae, Streptococcus pneumoniae, Cryptococcus neoformans/gatti, Bartonella henselae,</i></p> <p><b>7 Viral Pathogens:</b></p> <p><i>Human parechovirus, Varicella zoster virus (VZV), Cytomegalovirus (CMV), Herpes simplex virus 2 (HSV-2), Herpes simplex virus 1 (HSV-1), Human herpesvirus 6 (HHV-6), Enterovirus</i></p>
CFP91	<b>Toxoplasma Detection qPCR kit</b>	<i>Toxoplasma</i>

# WOUND PATHOGENS

## | Wound ID-30 Genotyping qPCR Kit |

The Wound ID-30 Genotyping qPCR Kit is a diagnostic tool for the qualitative detection of bacterial pathogens and antibiotic resistance nucleic acids associated with wound infections. It is intended for in vitro diagnosis and can be used with samples collected from purulence, wound area swabs, and wound pieces. A positive result in the real-time PCR (RT-qPCR) test, targeting at least one genetic marker on wound pathogens' genomes, indicates the presence of a wound infection. In areas where wound pathogens are common, the use of multiple discriminating targets in RT-qPCR is considered sufficient for accurate diagnosis. This kit offers a versatile approach for diagnosing wound infections, providing valuable information for effective treatment and management.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7	Oligomix 8
<i>Staphylococcus</i> spp.	●							
<i>Acinetobacter baumannii</i>	●							
<i>Escherichia coli</i>	●							
<i>Enterococcus faecalis</i>	●							
<i>Enterococcus faecium</i>		●						
<i>Klebsiella oxytoca</i>		●						
<i>Pseudomonas aeruginosa</i>		●						
<i>Staphylococcus aureus</i>		●						
<i>Klebsiella pneumoniae</i>			●					
<i>Streptococcus pneumoniae</i>			●					
<i>Stenotrophomonas maltophilia</i>			●					
<i>Haemophilus influenza</i>			●					
<i>Candida tropicalis</i>				●				
<i>Enterobacteriaceae</i>					●			
<i>Neisseria meningitidis</i>					●			
<i>Listeria monocytogenes</i>					●			
<i>Candida albicans</i>						●		
<i>Pseudomonas</i> spp.						●		
<i>Streptococcus</i> spp.						●		
Carbapenem resistance (IMP)						●		
<i>Candida krusei</i>							●	
Carbapenem resistance (KPC)							●	
Methicillin Resistance (MecA+C)							●	
Carbapenem Resistance (NDM)							●	
<i>Candida glabrata</i>								●
Carbapenem resistance (OXA-48)							●	
Vancomycin Resistance (VanA)								●
Vancomycin Resistance (VanB)							●	
<i>Candida parapsilosis</i>								●
Carbapenem Resistance (VIM)								●

# WOUND PATHOGENS

## | ALL WOUND PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP17	Wound ID-30 Genotyping qPCR Kits	<p><b>17 Bacterial Pathogens:</b>  <i>Staphylococcus spp., Acinetobacter baumannii, Escherichia coli, Enterococcus faecalis, Enterococcus faecium, Klebsiella oxytoca, Klebsiella pneumoniae, Pseudomonas aeruginosa, Staphylococcus aureus, Streptococcus pneumoniae, Stenotrophomonas maltophilia, Haemophilus influenzae, Enterobacteriaceae, Listeria monocytogenes, Neisseria meningitidis,</i></p> <p><b>5 Fungal Pathogens:</b>  <i>Candida albicans, Candida krusei, Candida glabrata, Candida parapsilosis, Candida tropicalis</i></p> <p><b>8 Antibiotic Resistance Gene:</b>  Carbapenem resistance (IMP), Carbapenem resistance (KPC), Methicillin Resistance (MecA+C), Carbapenem Resistance (NDM), Carbapenem resistance (OXA-48), Vancomycin Resistance (VanA), Vancomycin Resistance (VanB), Carbapenem Resistance (VIM)</p>
CFP27	Nail Wound Infection ID-23 Genotyping qPCR Kit	<p><b>19 Fungal Pathogens:</b>  <i>Candida albicans, Candida glabrata, Candida guilliermondii, Candida krusei, Candida parapsilosis, Candida tropicalis, Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, Aspergillus terreus, Cladosporium carrionii, Cladosporium uredinicola, Epidermophyton floccosum, Fusarium oxysporum, Microsporum audouinii, Microsporum canis, Trichophyton concentricum, Trichophyton interdigitale, Trichophyton rubrum</i></p> <p><b>4 Bacterial Pathogens:</b>  Herpes Simplex Virus type 1, Herpes Simplex Virus type 2, Cytomegalovirus (CMV, Human Herpesvirus-5)</p>

# URINARY TRACT INFECTION (UTI) PATHOGENS

## | UTI ID-28 Genotyping qPCR Kit |

The Urinary Tract Infection ID-28 Genotyping qPCR Kit is a diagnostic tool designed for the qualitative detection of urinary tract infections (UTIs). This kit is intended for in vitro diagnosis and is used to identify a range of pathogens and antimicrobial resistance genes associated with UTIs, including bacterial agents, fungal agents, and resistance markers. It is applied to nucleic acid isolates obtained from urine samples.



Target	Oligomix 1	Oligomix 2	Oligomix 3	Oligomix 4	Oligomix 5	Oligomix 6	Oligomix 7
<i>Acinetobacter baumannii</i>	◎						
<i>Staphylococcus aureus</i>	◎						
<i>Klebsiella pneumoniae</i>	◎						
<i>Morganella morganii</i>	◎						
<i>Staphylococcus saprophyticus</i>		◎					
<i>Aerococcus urinae</i>		◎					
<i>Pseudomonas aeruginosa</i>		◎					
<i>Enterococcus faecium</i>		◎					
<i>Streptococcus agalactiae</i>			◎				
<i>Providencia stuartii</i>			◎				
<i>Treponema pallidum</i>			◎				
<i>Enterococcus faecalis</i>			◎				
<i>Ureaplasma urealyticum</i>				◎			
<i>Proteus vulgaris</i>				◎			
<i>Serratia marcescens</i>				◎			
<i>Proteus mirabilis</i>				◎			
<i>Escherichia coli</i>					◎		
<i>Klebsiella oxytoca</i>					◎		
<i>Ureaplasma parvum</i>					◎		
<i>Klebsiella aerogenes</i>					◎		
<i>Enterobacter cloacae</i>						◎	
<i>Citrobacter freundii</i>						◎	
<i>Candida spp.</i>						◎	
<i>Candida albicans</i>						◎	
<i>Enterobacter cloacae</i>							◎
<i>Citrobacter freundii</i>							◎
<i>Candida spp.</i>							◎
<i>Candida albicans</i>							◎

## | ORDER INFORMATION |

Ref. No	Name
CFP16	Urinary Tract Infection ID-28 Genotyping qPCR Kits

## | Dengue Virus Detection qPCR Kit |

The Dengue Virus Detection qPCR Kit is a powerful diagnostic tool designed to detect the presence of the dengue virus with precision and speed. Utilizing quantitative PCR (qPCR) technology, this kit allows for the accurate identification and quantification of the dengue virus in biological samples. Dengue virus infections, transmitted through mosquito bites, can vary in severity, making early detection crucial for effective patient management. With this kit, healthcare professionals can swiftly and confidently diagnose dengue infections, enabling timely treatment and surveillance in regions prone to dengue outbreaks.



## | ALL TROPICAL PATHOGENS PRODUCTS |

Ref. No	Name	Target
CFP94	<b>Chikungunya Virus Detection qPCR Kit</b>	Chikungunya Virus
CFP95	<b>Dengue Virus Detection qPCR Kit</b>	Dengue Virus
CFP96	<b>Lyme Disease Detection qPCR Kit</b>	<i>Borrelia burgdorferi</i>
CFP98	<b>Malaria Detection qPCR Kit</b>	<i>Malaria</i>
CFP99	<b>Plasmodium falciparum Detection qPCR Kit</b>	<i>Plasmodium falciparum</i>
CFP100	<b>Monkeypox Detection qPCR Kit</b>	Monkeypox
CFP101	<b>West Nile Virus Detection qPCR Kit</b>	West Nile Virus
CFP102	<b>Zika Virus Detection qPCR Kit</b>	Zika Virus
CFP105	<b>CCHFV Detection qPCR Kit</b>	Crimean-Congo Hemorrhagic Fever Virus

## | Lyophilized PCR Kits |

Lyophilized PCR kits are a type of molecular biology product used for polymerase chain reaction amplification of DNA or RNA. These kits contain the necessary reagents, enzymes, and buffers for performing PCR, but the components are stabilized through lyophilization, which involves freezing the reagents and then removing the frozen solvent (usually water) under reduced pressure, leaving behind a dry and stable product.



### Advantages

- Long Shelf Life
- Room Temperature Storage
- Reduced Risk of Contamination
- Instant Reagent Availability
- Space and Weight Efficiency
- Ease of Use

0.2 ml 8-Strip Format



0.2 ml Single Flat Cap PCR Tube Format

## | ALL LYOPHILIZED PCR PRODUCTS |

Group	REF No	Name	Target
RESPIRATORY PATHOGENS	LYO01	SARS-CoV-2 & Flu A/B Detection RT-qPCR Kit	SARS-CoV-2, Flu A/B
	LYO02	SARS-CoV-2 & Flu & RSV Detection RT-qPCR Kit	SARS-CoV-2 & Flu & RSV
	LYO03	Respiratory ID-4 Genotyping qPCR Kit	SARS-CoV-2 , Influenza A , Influenza B , RSV
	LYO33	H1N1 Detection qPCR Kit	Influenza A (H1Nx)
	LYO34	Mycoplasma Pneumoniae Detection qPCR Kit	<i>Mycoplasma Pneumoniae</i>
	LYO35	Streptococcus pneumoniae Detection qPCR Kit	<i>Streptococcus Pneumoniae</i>
	LYO36	Legionella Pneumoniae Detection qPCR Kit	<i>Legionella Pneumoniae</i>
	LYO37	Influenza A/B Detection qPCR Kit	Influenza A/B
	LYO38	Influenza A ID-4 Genotyping qPCR Kit	Influenza A H1Nx, Influenza A H3Nx, Influenza A H5Nx, Influenza A H7Nx
	LYO39	Influenza ID-3 Genotyping qPCR Kit	Influenza A, Influenza B, Influenza A (H1Nx)
	LYO40	Influenza ID-2 Genotyping qPCR Kit	Influenza A, Influenza B
	LYO49	hMPV Detection qPCR kit	Human Metapneumovirus
	LYO51	Rhinovirus Detection qPCR kit	Rhinovirus
	LYO52	Bordetella pertussis Detection qPCR kit	<i>Bordetella pertussis</i>
	LYO53	Moraxella catarrhalis Detection qPCR kit	<i>Moraxella catarrhalis</i>
	LYO62	Measles Detection qPCR kit	Measles Virus
	LYO74	Mumps Detection qPCR kit	Mumps Virus

## | ALL LYOPHILIZED PCR PRODUCTS |

Group	REF No	Name	Target
GASTROENTERITIS PATHOGENS	LYO04	Salmonella spp. Detection qPCR kit	<i>Salmonella spp.</i>
	LYO05	Campylobacter spp. Detection qPCR kit	<i>Campylobacter spp.</i>
	LYO06	Yersinia enterocolitica Detection qPCR kit	<i>Yersinia enterocolitica</i>
	LYO07	Shigella/Enteroinvasive E. coli (EIEC) Detection qPCR kit	<i>Shigella/Enteroinvasive E. coli (EIEC)</i>
	LYO08	Clostridium difficile Detection qPCR kit	<i>Clostridium difficile</i>
	LYO09	Clostridium difficile toxin A Detection qPCR kit	<i>Clostridium difficile toxin A</i>
	LYO10	Clostridium difficile toxin B Detection qPCR kit	<i>Clostridium difficile toxin B</i>
	LYO11	Clostridium difficile binary toxin A/B Detection qPCR kit	<i>Clostridium difficile binary toxin A/B</i>
	LYO12	Adenovirus Detection qPCR kit	Adenovirus
	LYO13	Astrovirus Detection qPCR kit	Astrovirus
	LYO14	Norovirus GI Detection qPCR kit	Norovirus GI
	LYO15	Norovirus GII Detection qPCR kit	Norovirus GII
	LYO16	Rotavirus Detection qPCR kit	Rotavirus (A/B)
	LYO17	Sapovirus Detection qPCR kit	Sapovirus
	LYO18	Cryptosporidium Detection qPCR kit	<i>Cryptosporidium parvum, Cryptosporidium hominis, Cryptosporidium felis, Cryptosporidium meleagridis, Cryptosporidium canis, Cryptosporidium muris</i>
	LYO19	Entamoeba histolytica Detection qPCR kit	<i>Entamoeba histolytica</i>
	LYO20	Giardia lamblia Detection qPCR kit	<i>Giardia lamblia</i>
	LYO21	Dientamoeba fragilis Detection qPCR kit	<i>Dientamoeba fragilis</i>
	LYO22	Entamoeba dispar Detection qPCR kit	<i>Entamoeba dispa</i>
	LYO23	Clostridium difficile toxins A+B Detection qPCR kit	<i>Clostridium difficile toxins A+B</i>
	LYO24	E. coli EHEC, EPEC & EIEC Detection qPCR kit	<i>E. coli EHEC, EPEC &amp; EIEC</i>
	LYO25	E. coli ETEC + EIEC Detection qPCR kit	<i>E. coli ETEC , E. coli EIEC</i>
	LYO26	Aeromonas + Yersinia enterocolitica Detection qPCR kit	<i>Aeromonas hydrophilic, Aeromonas dhakensis, Aeromonas veronii biovar sobria, Aeromonas caviae, Aeromonas veronii biovar veronii, Aeromonas jandals, Aeromonas schubertii, Aeromonas trota, Yersinia enterocolitica</i>
	LYO27	Campylobacter coli, C. lari & C. Jejuni Detection qPCR kit	<i>Campylobacter coli, Campylobacter lari, Campylobacter Jejuni</i>
	LYO28	Salmonella, Campylobacter & Shigella/EIEC Detection qPCR kit	<i>Salmonella, Campylobacter coli, Campylobacter lari, Campylobacter Jejuni, E. Coli EIEC</i>
	LYO29	Salmonella, Campylobacter & Yersinia enterocolitica Detection qPCR kit	<i>Salmonella, Campylobacter coli, Campylobacter lari, Campylobacter Jejuni, Yersinia enterocolitica</i>
	LYO30	Norovirus GI + GII Detection qPCR kit	Norovirus GI, GII
	LYO31	Blastocystis hominis + Dientamoeba fragilis Detection qPCR kit	<i>Blastocystis hominis , Dientamoeba fragilis</i>
	LYO32	Cryptosporidium, Giardia & E. Histolytica Detection qPCR kit	<i>Cryptosporidium parvum, Cryptosporidium hominis, Cryptosporidium felis, Cryptosporidium meleagridis, Cryptosporidium canis, Cryptosporidium muris, Giardia lamblia, Entamoeba histolytica</i>
	LYO50	Parechovirus Detection qPCR kit	Parechovirus

## | ALL LYOPHILIZED PCR PRODUCTS |

Group	REF No	Name	Target
SEXUALLY TRANSMITTED INFECTION PATHOGENS	LYO41	EBV Detection qPCR kit	Eppstein-Barr Virus
	LYO42	CMV Detection qPCR kit	Cytomegalovirus
	LYO43	HEV Detection qPCR kit	Hepatitis E
	LYO44	HAV Detection qPCR kit	Hepatitis A
	LYO45	HDV Detection qPCR kit	Hepatitis D
	LYO46	HPV 16/18 Genotyping qPCR Kit	HPV16, HPV18
	LYO47	Neisseria Gonorrhoeae Detection qPCR kit	<i>Neisseria Gonorrhoeae</i>
	LYO48	Chlamydia Trachomatis Detection qPCR kit	<i>Chlamydia Trachomatis</i>
	LYO54	CT/NG/MG Genotyping qPCR kit	<i>Chlamydia trachomatis</i> , <i>Neisseria gonorrhoeae</i> , <i>Mycoplasma genitalium</i>
	LYO55	Genital Ulcer Genotyping qPCR kit	HSV1, HSV2
	LYO56	C. trachomatis Detection qPCR kit	<i>Chlamydia trachomatis</i>
	LYO57	Gardnerella vaginalis Detection qPCR kit	<i>Gardnerella vaginalis</i>
	LYO58	Mycoplasma genitalium Detection qPCR kit	<i>Mycoplasma genitalium</i>
	LYO59	Trichomonas vaginalis Detection qPCR kit	<i>Trichomonas vaginalis</i>
	LYO60	Ureaplasma parvum Detection qPCR kit	<i>Ureaplasma parvum</i>
TROPICAL PATHOGENS	LYO61	Vesicular Rash Genotyping qPCR kit	HSV1, HSV2, Varicella-Zoster Virus
	LYO68	Candida Auris Detection RT-qPCR Kit	<i>Candida Auris</i>
	LYO65	Chikungunya Virus Detection qPCR kit	Chikungunya Virus
	LYO66	Dengue Virus Detection qPCR kit	Dengue Virus
	LYO67	Lyme Disease Detection qPCR kit	<i>Borrelia Burgdorferi</i>
	LYO69	Malaria Detection qPCR kit	Malaria
	LYO70	Plasmodium falciparum Detection qPCR kit	<i>Plasmodium falciparum</i>
	LYO71	Monkeypox Detection qPCR kit	Monkeypox
BLOOD DISEASE	LYO72	West Nile Virus Detection qPCR kit	West Nile Virus
	LYO73	Zika Virus Detection qPCR kit	Zika Virus
CNS PATHOGENS	LYO76	CCHFV Detection qPCR kit	Crimean-Congo hemorrhagic fever virus
	LYO64	Parvovirus B19 Detection qPCR kit	Parvovirus B19
	LYO75	TTV Detection qPCR kit	Torque Teno Virus
CNS PATHOGENS	LYO63	Toxoplasma Detection qPCR kit	<i>Toxoplasma gondii</i>

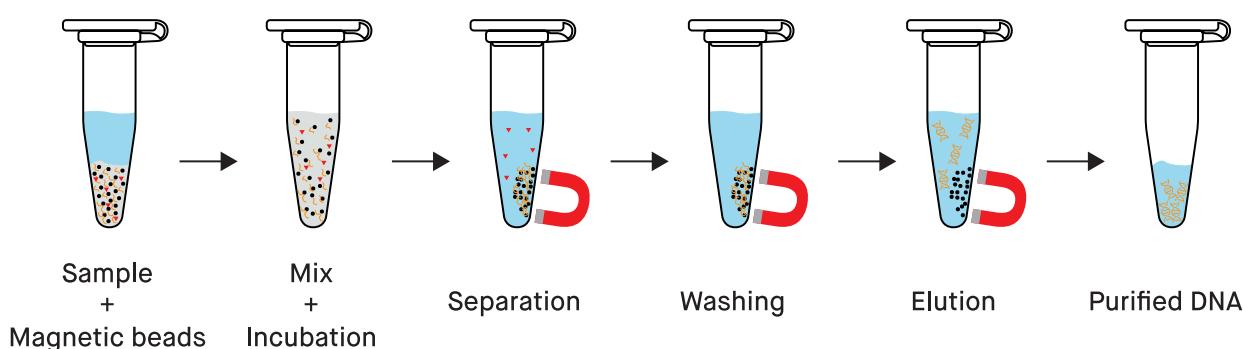
# MAGNETIC BEAD-BASED SYSTEM

A Magnetic Bead-Based System is a technology or method used in various fields, particularly in the fields of molecular biology, genomics, proteomics, and diagnostics. It involves the use of tiny magnetic beads (typically nanoparticles coated with a substance that binds to specific molecules) to capture, separate, purify, or manipulate specific molecules such as DNA, RNA, proteins, or other biomolecules.

## Advantages

- High Specificity
- Reduced Contamination
- Wide Applicability
- Minimal Sample Loss
- Cost-Effective

## | Magnetic Bead Purification |



# AUTOMATED NUCLEIC ACID EXTRACTION SYSTEMS



The MagPro™ devices are a fully automated Nucleic Acid Extraction System that uses magnetic bead-based technology, single cartridge, and 96 well plate format to allow simultaneous extraction of samples. The magnetic beads and buffer reagents in the kit help to separate and purify high-quality nucleic acids from a variety of clinical sample sources like blood, viruses, body fluids, etc.

The principle is based upon the affinity of magnetic beads to bind to the nucleic acids at a particular pH, thus allowing easy binding and release of the nucleic acids based on the pH conditions of the buffer. The system is designed for faster isolation of purified nucleic acids.

## | Magnetic Bead-Based Automated NA Extraction System – MGX-2 |



### | Performance Parameters |

REF No	MGX-2
Indication	In vitro diagnostic medical device
Intended user	For professional use in laboratories with trained staff
Capacity	1–2 samples / single extraction process
Specimen types	Whole blood, CSF, plasma, serum, urine, BAL, swab
Extraction principle	Fully automated magnetic separation
Sample volume	200 µl
Elution volume	150 µl
Processing time	7 Minutes
Decontamination	UV- Lamp
Dimension	226 X 207 X 205 mm
Weight	3.5 Kg
Power supply	220V–240V 50/60Hz

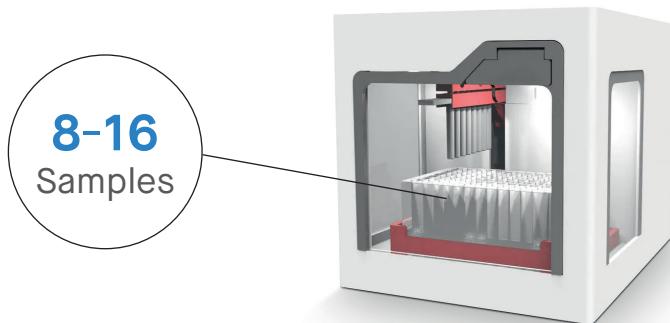
# AUTOMATED NUCLEIC ACID EXTRACTION SYSTEMS



## | Magnetic Bead-Based Automated NA Extraction System – MGX-8&16 |

The MagPro™ Systems performs fully automated purification of nucleic acids using magnetic beads for up to **8** samples and **16** samples. Automated steps include binding of nucleic acids to magnetic beads, washing, and elution of nucleic acids.

The protocol provides all the necessary instructions for the MagPro™ to carry out automated nucleic acid purification. The transfer of samples into the different reagents and the separation of the nucleic acid from magnetic beads is performed by the magnetic rows to ensure excellent reproducibility and minimize the handling time required for the extraction and purification of the nucleic acids.



## | Performance Parameters |

REF No	MGX-8 or MGX-16
Indication	In vitro diagnostic medical device
Intended user	For professional use in laboratories with trained staff
Capacity	1-8/16 Test
Specimen types	Whole blood, CSF, plasma, serum, urine, BAL, swab
Extraction principle	Fully automated magnetic separation
Sample volume	200 µl
Elution volume	150 µl
Processing time	15 Minutes
Decontamination	UV- Lamp
Dimension	241 X 227 X 233 mm
Weight	7.5 Kg
Power supply	220V–240V 50/60Hz

# MAGNETIC BEAD BASED NUCLEIC ACID EXTRACTION KITS

## MagFast

### | Total Nucleic Acid Purification Kit |

The Total Nucleic Acid Purification Kit is designed for the rapid isolation of nucleic acids (DNA, RNA) from viruses, bacteria, and yeast, fungi in biofluid and transport media samples. You can use the nucleic acid purified with this kit in a broad range of molecular biology downstream applications, such as sequencing and qPCR. This Kit is valid for these Automated Nucleic Acid Extraction Systems.

#### Advantages

- Increase sample throughput
- High nucleic acid yields
- Isolate pure, high-quality Nucleic Acid
- Nucleic Acid 260/280 Ratio : 1.8 - 1.9



### | Products and Features |

Total Nucleic Acid Purification Kit	
REF No	MGF01
Sample Type	Whole blood, CSF, plasma, serum, urine, BAL, Swab
Sample Volume	200 µl
Elution Volume	100-150 µl
Target	DNA/RNA
Compatible System	KingFisher™ FLEX
Storage	15 °C - 25 °C
Kit Size	100 R
Status	CE Approved

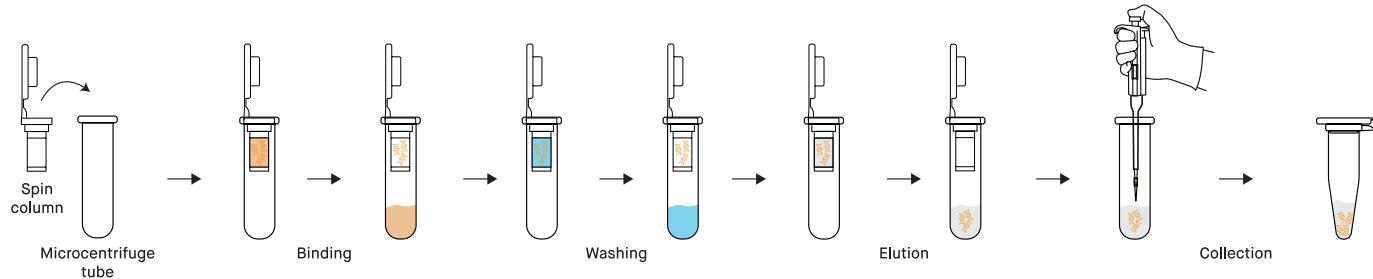
Single-Cartridge Nucleic Acid Purification Kit	
REF No	MGF02
Technology	Magnetic Bead
Sample Type	Whole blood, CSF, plasma, serum, urine, BAL, Swab
Sample Volume	200 µL
Elution Volume	150 µL
Target	DNA/RNA
Compatible System	MagPro™ Magnetic Bead Based Automated NA Extraction System
Storage	15 °C - 25 °C
Kit Size	48 R
Status	CE Approved

16 Total Nucleic Acid Purification Kit	
REF No	MGF03
Technology	Magnetic Bead
Sample Type	Whole blood, CSF, plasma, serum, urine, BAL, Swab
Sample Volume	200 µl
Elution Volume	100-200 µL
Target	DNA/RNA
Compatible System	MagPro™ Magnetic Bead Based Automated NA Extraction System MGX-8 or MGX-16
Storage	15 °C - 25 °C
Kit Size	48 R
Status	CE Approved

16-Flex Total Nucleic Acid Purification Kit	
REF No	MCF04
Technology	Magnetic Bead
Sample Type	Whole blood, CSF, plasma, serum, urine, BAL, Swab
Sample Volume	200 µl
Elution Volume	100-200 µl
Target	DNA/RNA
Compatible System	MagPro™ Magnetic Bead Based Automated NA Extraction System MGX-8 or MGX-16
Storage	15 °C - 25 °C
Kit Size	96 R
Status	CE Approved

# SPIN COLUMN EXTRACTION

Spin column extraction is a molecular biology technique for isolating and purifying DNA, RNA, or proteins from a sample. It involves binding target molecules to a column, washing away contaminants, and eluting the purified molecules through centrifugation, resulting in high-quality, isolated material.



## | Viral DNA Purification Kit |

Viral DNA Purification Kit is designed for the purification of Viral DNA from cell-free samples such as body fluids, serum, plasma, and supernatant of virally infected cell cultures. The viral DNA obtained can be used directly for various procedures such as RT-PCR, Cloning, RFLP analysis, sequencing, qPCR, viral load determination, viral genotyping, and detection of viruses.

### Advantages

- No toxic reagents
- No steps involving phenol/chloroform extraction or alcohol precipitation
- Simple, quick, efficient, and widely accepted spin-column method
- Excellent sensitivity and consistent performance
- Suitable for further testing such as real-time PCR



Ref. No	Name	Storage	Kit Size	Status
VIRA01	Viral Nucleic Acid Purification Kit	2°C~ 25°C	100 R	CE, FDA
VIRA02	Genomic DNA Purification Kit From Blood	2°C~ 25°C	100 R	CE, FDA
VIRA03	Viral RNA Purification Kit	2°C~ 25°C	100 R	CE, FDA
VIRA04	Genomic DNA Purification Kit From Bacteria	2°C~ 25°C	100 R	CE, FDA
VIRA05	Genomic DNA Purification Kit From Tissue	2°C~ 25°C	100 R	CE, FDA
VIRA06	Viral DNA Purification Kit	2°C~ 25°C	100 R	CE, FDA
VIRA07	Plasmid DNA Purification Kit	2°C~ 25°C	100 R	CE, FDA
VIRA08	Gel Nucleic Acid Purification Kit	2°C~ 25°C	100 R	CE, FDA

# UNIVERSAL MEDIUMS

## VTFOR

### | Universal Transport Medium |



Universal Transport Medium is a transport system used for collecting and transporting cells and viruses from clinical specimens or media to isolate nucleic acids in nucleic acid amplification tests.

#### Advantages

- Ready-to-use viral transport kit
- Fast, simple, and inexpensive
- Allows for the collection and preservation of virus containing samples
- Contamination-preventing content and design
- Maintains virus activity for prolonged periods
- Flexibility in transport temperature
- Crack-resistant, leak-proof, and stand-up tubes
- Suitable for further testing such as PCR



Ref. No	Name	Storage	Kit Size	Status
VTF01	Viral Transport Medium	2°C~ 25°C	100 T	CE, FDA
VTF02	Universal Transport Medium	2°C~ 25°C	100 T	CE, FDA

## VNFOR

### | Viral Nucleic Acid Transport Medium |



Viral Nucleic Acid Transport Medium is an extraction buffer used to extract viral nucleic acids from clinical samples or media samples to obtain viral nucleic acids for use in nucleic acid amplification tests.

#### Advantages

- Contamination-preventing content
- Flexibility in transport temperature
- Suitable for further testing such as RT-PCR
- Crack-resistant, leak-proof, and stand-up tubes
- Quick, simple, and efficient procedure
- Economic and cost-effective
- Consistent performance



Ref. No	Name	Storage	Kit Size	Status
VNF01	Viral Nucleic Acid Transport Medium	2°C~ 25°C	100 T	CE, FDA
VNF02	Nucleic Acid Transport (NAT) Medium	2°C~ 25°C	100 T	CE, FDA

**NOTE:**.....



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