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QTaq

**MOLECULAR
DIAGNOSTICS**

Product List

MOLECULAR DIAGNOSTICS

In the era of precision medicine, molecular diagnostics has become an essential and reliable tool for the confirmation of disease condition & its management. We offer diagnostic solution in the field of Food Safety, Animal Health and Human Healthcare. Genes for Life Molecular Diagnostic Tests are intended for the precise detection of target gene by real-time PCR/RT-PCR. We offer user-friendly solutions for diagnostics, that simplify operations, reduce manual tasks and increase efficiency & quality. The redefined product format of Genes for Life, streamlines and simplifies workflows, without compromising its accuracy and sensitivity.



TRANSFORMING HEALTHCARE WITH INNOVATIVE MOLECULAR DIAGNOSTICS: PURSUING TO BE THE GLOBAL LEADER IN IVD SOLUTIONS

At Genes for Life, we strive to transform the healthcare through Innovative and accurate solutions. With our expertise scientific team, we offer a Comprehensive portfolio to meet your Molecular diagnostic needs across various category segments.



Qtaq Molecular Diagnostics assures

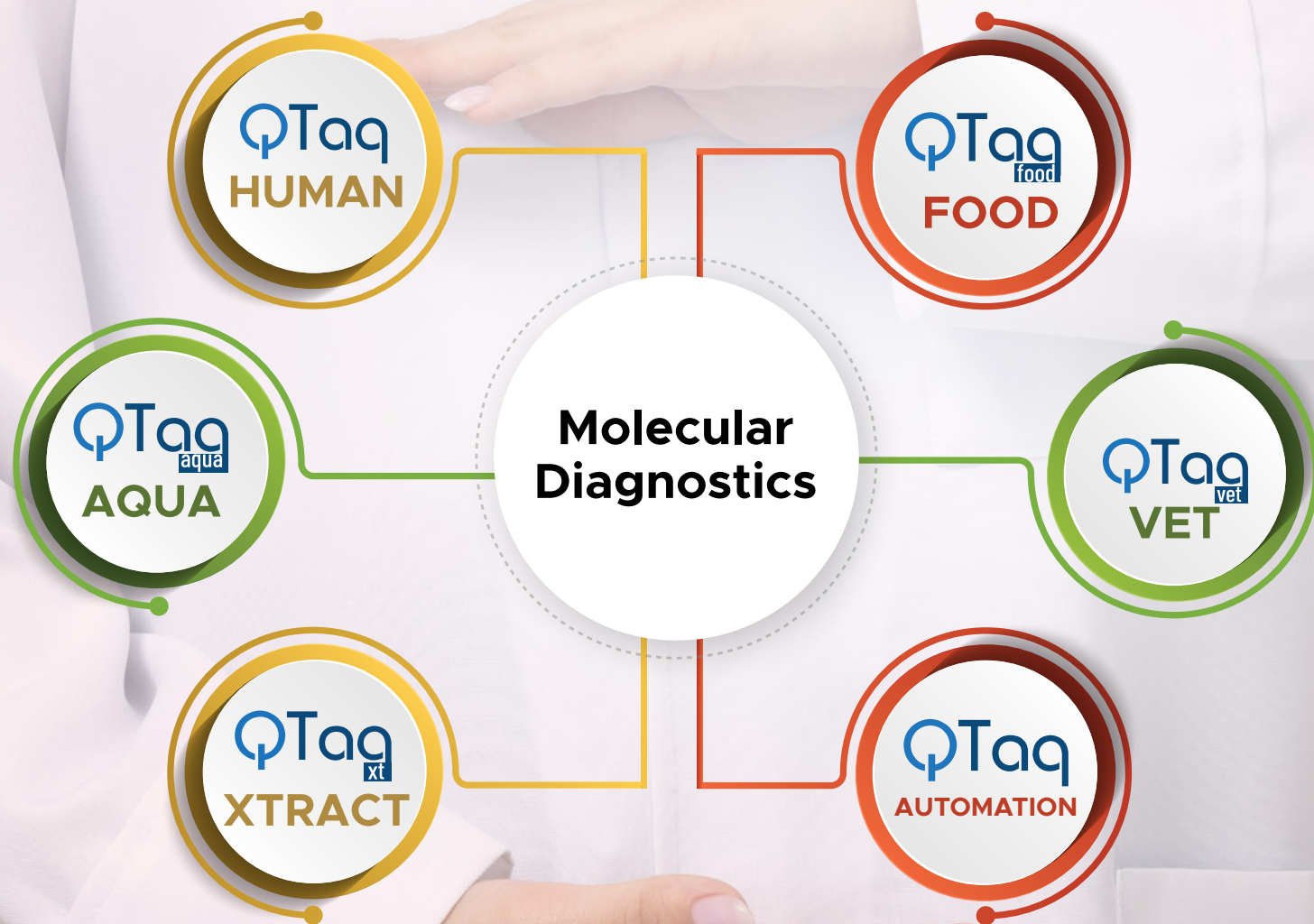
- ✓ No more -20 °C storage. Ensures the Shipping & Storage at Room Temperature (<30°C)
- ✓ Long Shelf life
- ✓ Comfortable & Affordable pack sizes
- ✓ Suitable for low throughput laboratories
- ✓ Affordable Real time PCR Machine for the new and upcoming labs
- ✓ Easier Work flow, thus less skilled technical manpower
- ✓ Kit is supported with endogenous internal control (IC) which serves as the extraction control and helps to exclude the unreliable result
- ✓ Well validated with Global Standards
- ✓ Precision Manufacturing: Manufactured in fully automated Manufacturing line

INSTRUMENT COMPATIBILITY	Compatible with Applied Bio systems (ABI) 7500, Bio-Rad CFX96, QIAGEN Rotor Gene Q and other PCR instruments with FAM, HEX/VIC channels
DETECTION CHANNELS	
Single Pathogen Detection	FAM, HEX
Simultaneous Detection of Two Pathogens	FAM, HEX, ROX
Simultaneous Detection of Three or More Pathogens	FAM, HEX, ROX, Cy5

HUMAN DIAGNOSTICS

At the forefront of human healthcare, staying ahead of diseases, monitoring treatment progress, and enabling early detection is critical. Our Molecular Intelligence Platform is designed to support healthcare professionals in this dynamic and evolving landscape. With new outbreaks, mutations, and emerging pathogens constantly reshaping the medical environment, traditional diagnostic solutions often struggle to keep up with the growing complexities. Our platform empowers clinicians with the tools they need to stay one step ahead, providing timely and accurate insights that are essential for effective treatment and management.

QTag, our comprehensive product line for human diagnostics, offers a wide range of specialized kits tailored for diagnosing and monitoring various human diseases. Whether detecting infectious diseases, genetic disorders, or monitoring chronic conditions, QTag ensures precision and reliability in every test. Our diagnostic solutions are designed to meet the increasing demands of modern healthcare, providing actionable data that guides clinical decision-making and enhances patient outcomes. With a commitment to innovation, we continuously evolve our diagnostic capabilities to tackle the challenges posed by new and resistant pathogens, helping professionals respond swiftly and effectively to the changing healthcare landscape.



HUMAN MULTIPLEX

The Human Multiplex Panel redefines molecular diagnostics by enabling the simultaneous detection of multiple human pathogens or biomarkers in a single, consolidated RT-PCR reaction. Unlike conventional Single-plex kits, which require separate reactions for each target, our multiplex solution saves time, reduces reagent consumption, and minimizes sample usage - all without compromising on sensitivity or specificity.

Various panels are strategically designed based on the clinical presentation of diseases that share overlapping symptoms and are often challenging to differentiate. This targeted approach ensures rapid and accurate differential diagnosis, making it an ideal choice for high-throughput clinical settings where speed, reliability, and cost-efficiency are critical.

PRODUCT NAME	PRODUCT CODE	SENSITIVITY	SPECIMEN FOR TESTING	DESCRIPTION
3H Real-Time RT-PCR Test Kit	GLH004	HIV-1: 30.0 IU/mL, HIV-2: 40.0 IU/mL HBV: 10.0 IU/mL, HCV: 250 IU/mL	Whole Blood, Serum, Plasma	3H Real-Time RT-PCR Test Kit is a multiplex molecular diagnostic assay developed for the simultaneous detection and quantification of HIV-1, HIV-2, Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV) in a single reaction
Tropical Fever Multiplex Real-Time RT-PCR Test Kit	GLH013	Malaria – 0.25 IU/ml, Dengue – 7.7 IU/ml, Coxiella burnetii – 10 IU/ml, Chikungunya – 16.50 IU/ml, Leptospira – 20 IU/ml, Japanese Encephalitis – 20 IU/ml, Salmonella Typhi – 20.45 IU/ml, Francisella tularensis – 25 IU/ml, Variola virus – 30 IU/ml, Scrub Typhus – 35 IU/ml, Nipah virus – 35 IU/ml, Crimean-Congo Hemorrhagic Fever Virus – 45 IU/ml, West Nile Virus – 47.75 IU/ml, Zika Virus – 55.3 IU/ml, Ebola Virus – 55 IU/ml	Whole Blood, Serum, Plasma, CSF (Cerebrospinal Fluid), Urine, Throat Swab, Stool, Skin Lesions, Sputum, Tissue, Eschar Biopsy, And Lymph Node Aspirate.	Tropical Fever Multiplex Real-Time RT-PCR Test Kit is a high-throughput molecular assay designed for the simultaneous, rapid, and sensitive detection of viral, bacterial, and parasitic pathogens using conserved genetic targets, enabling efficient diagnosis from diverse clinical samples for use in clinical, surveillance, and public health settings
Respiratory Disease Multiplex Real-Time RT-PCR Test Kit	GLH018	COVID-19 -1.25 IU/mL, MERS-CoV -15 IU/mL, Chlamydomphila psittaci -10 IU/mL, Human metapneumovirus -25 IU/mL, Legionella pneumophila -30 IU/mL, Influenza A - 205.75 IU/mL, Influenza B and RSV at 277.06 IU/mL	Nasopharyngeal Swabs, Throat Swabs And Lower Respiratory Tract Specimens Including Bronchoalveolar Lavage, Bronchial Wash, Tracheal Aspirate, Sputum, And Lung Tissues.	Respiratory Disease Multiplex Real-Time RT-PCR Test Kit is a highly advanced and comprehensive diagnostic tool designed for the accurate detection of multiple respiratory pathogens. This cutting-edge kit enables the qualitative and quantitative identification of key viral and bacterial respiratory infections, including COVID-19, Influenza A & B, Respiratory Syncytial Virus (RSV), Middle East Respiratory Syndrome Virus (MERS), Human Metapneumovirus (HMPV), Chlamydomphila psittaci, and Legionella pneumophila
Meningitis Multiplex Real-Time RT-PCR Test Kit	GLH030	Neisseria meningitidis at 25 IU/ml Listeria monocytogenes at 7.5 IU/ml Streptococcus pneumoniae at 15 IU/ml, E.coli K1 at 5 IU/ml, Haemophilus influenzae at 35 IU/ml, Streptococcus agalactiae at 30 IU/ml, Cytomegalovirus (CMV) at 30 IU/ml, Herpes simplex virus (HSV) 1&2 at 45 IU/ml, Human herpes virus 6 at 40 IU/ml, Varicella-zoster at 100 IU/ml, Cryptococcus gattii at 25 IU/ml, Japanese encephalitis (JE) at 20 IU/ml, Toxoplasma gondii at 15 IU/ml, and Naegleria fowleri at 25 IU/ml.	Cerebrospinal Fluid (CSF), Whole Blood, Nasopharyngeal Swab, Amniotic Fluid, Placental Tissue Or Fetal Tissues	Meningitis Multiplex Real-Time PCR Test Kit is an advanced and comprehensive diagnostic tool designed for the rapid and accurate detection of bacterial and viral pathogens associated with meningitis. This high-performance kit enables the qualitative and quantitative identification of key bacterial species, including E. coli K1, Haemophilus influenzae, Listeria monocytogenes, Neisseria meningitidis, Streptococcus agalactiae, and Streptococcus pneumoniae, as well as viral pathogens such as Cytomegalovirus, Herpes simplex virus 1 & 2, and Human herpesvirus 6.

Gastro-Intestinal Multiplex Real-Time RT-PCR Test Kit	GLH043	Adenovirus at 50 IU/ml, Rota virus at 50 IU/ml, Campylobacter at 5 IU/ml, Entamoeba histolytica at 15 IU/ml, Cryptosporidium at 25 IU/ml, Shigella at 5 IU/ml, Salmonella at 20.45 IU/ml, E. coli at 5 IU/ml, Giardia at 35 IU/ml, Clostridium difficile at 20 IU/ml, Yersinia at 6.5 IU/ml, Vibrio cholerae at 10 IU/ml, Hepatitis A virus at 75 IU/ml, and Helicobacter pylori at 10 IU/ml	Stool samples, Rectal Swab, Tissue Biopsy, Blood Sample	Gastrointestinal Disease Multiplex Real-Time RT-PCR Test Kit is an advanced molecular diagnostic tool designed for the simultaneous detection and quantification of viral, bacterial, and parasitic pathogens responsible for gastrointestinal infections
HPV 16, 18 And High Risk Real-Time PCR Test Kit	GLH045	10 IU/ml	Cervical Swabs, Liquid-Based Cytology Samples, Biopsy Specimens	HPV 16, 18 & High-Risk Real-Time PCR Test Kit is a multiplex qPCR-based diagnostic solution designed for the qualitative detection and differentiation of HPV genotypes 16 and 18, along with a comprehensive panel of other high-risk HPV types (e.g., of 31, 33, 52, 45, 58) in clinical specimens.
M.TB-MDR TB Real-Time PCR Test Kit	GLH091	10 IU/ml	Sputum, Bronchoalveolar Lavage (BAL), Swabs, Urine, Cerebrospinal Fluid (CSF), Plasma, And Stool Specimens	M. TB-MDR TB Real-Time PCR Test Kit is a highly sensitive and reliable diagnostic tool designed for the qualitative and quantitative detection of Mycobacterium tuberculosis (MTB) and multidrug-resistant tuberculosis (MDR-TB) from sputum, bronchoalveolar lavage (BAL), swabs, urine, cerebrospinal fluid (CSF), plasma, and stool specimens.
ESKAPE Pathogens Real-Time PCR Test	GLH092	Staphylococcus aureus at 10 IU/ml, Klebsiella pneumoniae at 25 IU/ml, Acinetobacter baumannii at 20 IU/ml, Pseudomonas aeruginosa at 45 IU/ml, Enterococcus faecium at 40 IU/ml, and Enterobacter species at 50 IU/ml.	Blood, Sputum, Urine, Wound Swabs, Respiratory Specimens (Sputum, Bronchoalveolar Lavage), CSF	ESKAPE Pathogens Real-Time PCR Test Kit is a highly advanced and reliable diagnostic tool designed for the qualitative and quantitative detection of ESKAPE pathogens in patient samples, including blood, sputum, urine, and wound swabs. This comprehensive kit enables rapid and accurate identification of Enterococcus faecium, Staphylococcus aureus, Klebsiella pneumoniae, Acinetobacter baumannii, Pseudomonas aeruginosa, and Enterobacter species by detecting their nucleic acids
Sepsis Panel Real-Time PCR Test Kit	GLH048	40 IU/ml	Whole blood, serum, cerebrospinal fluid (CSF), Urine	Sepsis Panel Real-Time PCR Test Kit is an advanced, highly sensitive, and rapid molecular diagnostic tool designed for the detection of bacterial and fungal DNA in clinical samples, particularly in cases of sepsis and bloodstream infections (BSIs). This PCR-based method offers significantly faster and more accurate results compared to traditional culture techniques, making it an essential tool for early diagnosis and timely treatment.
Sexually Transmitted Disease (STD) Real-Time PCR Test Kit	GLH093	Chlamydia trachomatis (55 IU/ml), Candida albicans (60 IU/ml), Herpes Simplex Virus (HSV-1 & HSV-2) (45 IU/ml), Neisseria gonorrhoeae (45 IU/ml), Syphilis (30 IU/ml)	Urogenital Samples, Cervical Swabs, Vaginal Swabs, Rectal Swabs	Sexually Transmitted Disease (STD) Real-Time PCR Test Kit is a highly advanced and reliable diagnostic tool designed for the qualitative and quantitative detection of key sexually transmitted infections. This comprehensive kit accurately identifies Chlamydia trachomatis, Candida albicans, Treponema pallidum (Syphilis), Herpes Simplex Virus 1 & 2 (HSV-1 & HSV-2), and Neisseria gonorrhoeae by detecting their nucleic acids
Burkholderia mallei & Burkholderia pseudomallei Real Time PCR Test	GLH077	50 IU/ml	Whole blood, Serum, Plasma, Respiratory specimens (sputum, BAL), Wound swabs, Tissue biopsies, Nasal/throat swabs	Burkholderia mallei & Burkholderia pseudomallei Real-Time PCR Test is a dual-target molecular assay designed for the rapid and specific detection of B. mallei and B. pseudomallei—the causative agents of Glanders and Melioidosis, respectively. These are serious, potentially fatal infections with zoonotic potential and biodefense significance, caused by closely related gram-negative bacteria
Brucella abortus & Brucella melitensis Real Time PCR Test	GLH080	45 IU/ml	Whole blood, serum, plasma, sputum, urine, abscess pus, wound swabs, cerebrospinal fluid (CSF), throat or nasal swabs.	Brucella abortus & Brucella melitensis Real-Time PCR Test is a highly sensitive and specific molecular diagnostic assay for the detection of Brucella species DNA in human clinical samples, specifically targeting Brucella abortus and Brucella melitensis—the most common zoonotic agents of brucellosis.



HUMAN SINGLEPLEX

Our Single-plex Real-Time PCR kits are designed for precise, target-specific detection of individual pathogens or genetic markers. Ideal for applications where focused analysis is critical, these assays offer exceptional sensitivity, specificity, and reproducibility. Each kit is optimized to deliver clear, reliable results - making them well-suited for confirmatory diagnostics, low-throughput testing, or situations where high assay precision is required.

CATEGORY	PRODUCT NAME	PRODUCT CODE	SENSITIVITY	SPECIMEN FOR TESTING	DESCRIPTION
BLOOD BORNE DISEASE	HIV 1&2 REAL TIME RT-PCR TEST KIT	GLH001	HIV-1 is 30.0 IU/ml and HIV-2 is 40.0 IU/ml	Whole Blood, Serum, Plasma	HIV 1&2 Real-Time RT-PCR test kits are advanced diagnostic tools designed for the qualitative / quantitative detection of Human Immunodeficiency Virus types 1 and 2 (HIV-1 and HIV-2) RNA in human samples such as serum, plasma and whole blood
	HBV REAL TIME PCR TEST KIT	GLH002	10 IU/ml	Whole Blood, Serum, Plasma	Hepatitis B Virus (HBV) Real-Time PCR test kits are instrumental in diagnosing HBV infections, monitoring disease progression, and evaluating the efficacy of antiviral therapies.
	HCV REAL TIME RT-PCR TEST KIT	GLH003	250 IU/ml	Whole Blood, Serum, Plasma	HCV Real-Time RT-PCR Test Kit is a molecular diagnostic assay designed for the highly sensitive and specific detection and quantification of Hepatitis C Virus (HCV) RNA, which enables early detection of active HCV infections, supports genotype-independent viral load monitoring, and guides clinical decision-making during antiviral therapy.

TROPICAL FEVER

DENGUE VIRUS REAL TIME RT-PCR TEST KIT	GLH005	7.7 IU/ml	Whole blood, serum, plasma and urine samples.	Dengue Virus Real Time RT-PCR TEST KIT is designed for the qualitative detection of Dengue virus RNA (DENV 1-4 serotypes) in clinical samples using Real-Time Reverse Transcription PCR (RT-PCR).
MALARIA REAL TIME PCR TEST KIT	GLH006	0.25 IU/ml	Whole blood, serum, plasma	Malaria Real Time PCR Test Kit kit is intended for qualitative detection and differentiation of Plasmodium species DNA in human blood samples using Real-Time PCR (qPCR). It's highly sensitive and useful in low parasitemia cases, mixed infections, and during asymptomatic screening.
ZIKA VIRUS REAL TIME RT-PCR TEST KIT	GLH007	55.3 IU/ml	Whole blood, serum, plasma, Urine, Amniotic fluid, CSF, Mosquito samples	Zika Virus Real-Time RT-PCR Test Kit is a molecular diagnostic assay designed for the qualitative and quantitative detection of Zika virus (ZIKV) RNA in human clinical specimens and mosquito vectors.
WEST NILE VIRUS REAL TIME RT-PCR TEST KIT	GLH008	47.75 IU/ml	Whole blood, CSF, Avian tissue, and mosquito samples	West Nile Virus Real-Time RT-PCR Test Kit is used to detect the genetic material (RNA) of West Nile virus (WNV) in patient samples or mosquito vectors. It works by converting the viral RNA into DNA and then amplifying it in real-time using a fluorescent probe system.
LEPTOSPIRA REAL TIME PCR TEST KIT	GLH009	20 IU/ml	Whole blood (EDTA), Serum, Plasma, Urine, CSF, Tissue samples	Leptospira Real-Time PCR Test Kit is a highly sensitive and specific molecular assay designed for the detection and quantification of pathogenic Leptospira species DNA in human clinical specimens. This assay is based on TaqMan hydrolysis probe technology and enables both qualitative identification (presence/absence) and quantitative analysis (viral load estimation) of Leptospira DNA in a single streamlined workflow
CHIKUNGUNYA REAL TIME RT-PCR TEST KIT	GLH010	16.50 IU/ml	Whole blood (EDTA), Serum, Plasma, Urine, CSF	Chikungunya Virus (CHIKV) Real-Time RT-PCR Test Kit is a one-step molecular diagnostic assay developed for the qualitative and quantitative detection of Chikungunya virus RNA in human clinical samples and Ideal for both diagnostic laboratories and public health screening
SCRUB TYPHUS REAL TIME PCR TEST KIT	GLH011	35 IU/ml	Whole blood, Serum, Plasma, Buffy coat, Eschar or skin biopsy (when present), Cerebrospinal fluid (CSF)	Scrub Typhus Real Time PCR Test Kit is a specialized molecular diagnostic kit for the rapid and accurate detection of Orientia tsutsugamushi DNA in human clinical samples using TaqMan-based real-time PCR.
SALMONELLA TYPHI REAL TIME PCR TEST KIT	GLH012	20.45 IU/ml	Whole blood, Serum, Plasma, Stool, Bone marrow aspirate, Urine	Salmonella Typhi Real-Time PCR Test Kit is a high-performance molecular assay designed for the rapid, sensitive, and specific detection of Salmonella enterica serovar Typhi DNA in human clinical specimens.
JAPANESE ENCEPHALITIS (JE) REAL TIME RT-PCR TEST KIT	GLH052	20 IU/ml	Whole blood, Serum, Plasma, Cerebrospinal Fluid, Tissue Biopsy	Japanese Encephalitis Real-Time RT-PCR Test Kit is a precise and reliable molecular diagnostic tool designed to detect Japanese Encephalitis virus (JEV) RNA in human samples at an early stage. Using real-time reverse transcription polymerase chain reaction (RT-PCR) technology, this test amplifies and identifies JEV RNA with exceptional accuracy, allowing for quick detection of the virus, even when the viral load is still low.
EBOLA VIRUS REAL TIME RT-PCR TEST KIT	GLH082	55 IU/ml	Whole blood, Serum, Plasma, CSF	Ebola Virus Real-Time RT-PCR Test Kit is a state-of-the-art molecular diagnostic assay designed for both qualitative and quantitative detection of Ebola virus RNA in human clinical samples. Leveraging real-time reverse transcription polymerase chain reaction (RT-PCR) technology, this highly sensitive test allows for the fast detection and viral load quantification of the Ebola virus across all genotypes, even during the early phase of infection when the viral load is still low
NIPAH VIRUS REAL TIME RT-PCR TEST KIT	GLH083	35 IU/ml	Whole blood, Serum, Plasma, CSF	NIPAH VIRUS REAL TIME RT-PCR TEST KIT is an extremely sophisticated diagnostic technique for identifying and measuring Nipah virus RNA in human clinical samples. The test guarantees great specificity and low cross-reactivity with other pathogens by focusing on the N gene, a highly conserved area across all genotypes.
COXIELLA BURNETII REAL TIME PCR TEST KIT	GLH074	10 IU/ml	Whole blood, Plasma, Serum, Cerebrospinal Fluid (CSF), Tissue biopsy or aspirates, Placenta tissue or amniotic fluid	Coxiella burnetii Real-Time PCR Test Kit is a cutting-edge molecular diagnostic solution designed for the accurate detection and quantification of Coxiella burnetii DNA in human clinical specimens. Leveraging advanced real-time PCR technology, this test delivers both highly sensitive and reliable qualitative and quantitative results, enabling the detection of acute and chronic Q fever infections with precision
FRANCISELLA TULARENSIS REAL TIME PCR TEST KIT	GLH073	25 IU/ml	Whole blood, Serum, Plasma, Lymph node aspirates, Sputum or Respiratory samples, Tissue biopsies	Francisella tularensis Real-Time PCR Test Kit quickly detects and quantifies F. tularensis DNA in human samples, targeting all subspecies, including Type A and Type B. It provides rapid, accurate results for diagnosing Tularemia, even at low bacterial loads.
VARIOLA VIRUS REAL TIME PCR TEST KIT	GLH084	30 IU/ml	Skin Lesion Samples (Pustules Or Scabs), Whole Blood, Serum, And Respiratory Samples (Sputum)	Variola Virus Real-Time PCR Test Kit is a molecular diagnostic tool for detecting and quantifying Variola virus DNA in human samples. Using real-time PCR, it provides rapid and accurate results for diagnosing smallpox, even at low viral loads. The assay targets the Variola virus genome, ensuring high specificity for Variola major and Variola minor, crucial for timely diagnosis and outbreak containment.
CRIMEAN - CONGO HEMORRHAGIC FEVER VIRUS REAL TIME RT-PCR TEST KIT	GLH085	45 IU/ml	Whole blood, Plasma, Serum, Tissue samples, Sputum or respiratory samples	Crimean-Congo Hemorrhagic Fever Virus Real-Time RT-PCR Test Kit provides rapid, sensitive, and precise detection of CCHFV RNA in human samples, essential for early diagnosis, outbreak management, and public health response

RESPIRATORY DISEASE

COVID – 19 REAL TIME RT-PCR TEST	GLH014	1.25 IU/ml	Nasopharyngeal swabs, oropharyngeal swabs, nasal swabs, and throat swabs	COVID-19 Real-Time RT-PCR Test is a highly sensitive molecular diagnostic assay designed for the qualitative detection of SARS-CoV-2 RNA in clinical specimens. This assay specifically targets the ORF1ab gene, a conserved region of the viral genome responsible for encoding non-structural proteins essential for viral replication. The test employs real-time reverse transcription polymerase chain reaction (RT-PCR) technology, enabling simultaneous amplification and detection of viral RNA
INFLUENZA A REAL TIME RT-PCR TEST	GLH015	205.75 IU/ml	Nasopharyngeal swabs, oropharyngeal swabs, nasal swabs, and nasopharyngeal aspirates	Influenza A Real-Time RT-PCR Test is designed for the detection of Influenza A virus RNA in clinical specimens. Recommended sample types include upper respiratory tract specimens
INFLUENZA B REAL TIME RT-PCR TEST	GLH016	277. 06 IU/ml	Nasopharyngeal swabs, oropharyngeal swabs, nasal swabs, and nasopharyngeal aspirates collected using appropriate viral transport media	Influenza B Real-Time RT-PCR Test is a molecular diagnostic assay designed for the specific detection of Influenza B virus RNA in clinical samples. Utilizing real-time reverse transcription polymerase chain reaction (RT-PCR) technology, the test enables rapid, sensitive, and specific identification of the virus by targeting conserved regions of the Influenza B genome
RSV REAL TIME RT-PCR TEST	GLH017	277.06 IU/ml	Upper respiratory tract samples include nasopharyngeal swabs, oropharyngeal swabs, nasal swabs, and nasopharyngeal aspirates	RSV Real-Time RT-PCR Test is a molecular diagnostic assay designed for the qualitative detection and differentiation of Respiratory Syncytial Virus (RSV) types A and B in human respiratory specimens. The test utilizes real-time reverse transcription polymerase chain reaction (RT-PCR) to amplify and detect conserved genetic regions specific to RSV-A and RSV-B. This highly sensitive and specific assay enables early and accurate diagnosis of RSV infections, which is critical for timely patient management, especially in infants, elderly individuals, and immunocompromised patients
MIDDLE EAST RESPIRATORY SYNDROME (MERS) VIRUS REAL TIME RT-PCR TEST	GLH051	15 IU/ml	Nasopharyngeal swabs, oropharyngeal swabs, nasal swabs, and nasopharyngeal aspirates	“Middle East Respiratory Syndrome (MERS) Virus Real-Time RT-PCR Test is a highly sensitive molecular diagnostic assay developed for the specific detection of MERS-CoV RNA in human clinical samples.It enables rapid and accurate detection of active MERS-CoV infection, supporting early diagnosis, clinical management, and containment of potential outbreaks. The test is designed to distinguish MERS-CoV from other coronaviruses, including SARS-CoV and SARS-CoV-2, ensuring high specificity and reliability in surveillance and diagnostic applications.
CHLAMYDOPHILA PSITTACI REAL TIME PCR TEST	GLH054	10 IU/ml	Sputum, bronchoalveolar lavage (BAL) fluid, blood, throat swabs.	Chlamydophila psittaci Real-Time PCR test is designed to detect the genetic material of Chlamydophila psittaci, a bacterial pathogen that causes psittacosis (also known as parrot fever) in humans. This pathogen is typically transmitted from birds (especially pet birds like parrots) to humans. Real-Time PCR allows for rapid and highly sensitive detection of the pathogen in clinical samples, such as blood, respiratory specimens, or tissue.
HUMAN METAPNEUMO VIRUS REAL TIME RT-PCR TEST (HMPV)	GLH067	25 IU/ml	Nasopharyngeal swabs, throat swabs, sputum, and bronchoalveolar lavage (BAL) fluids.	Human Metapneumovirus (HMPV) Real-Time RT-PCR Test is a diagnostic assay used to detect the RNA of HMPV, a respiratory virus that can cause infections ranging from mild cold-like symptoms to more severe conditions like pneumonia, particularly in young children, the elderly, and immunocompromised individuals. The test is conducted using real-time reverse-transcription polymerase chain reaction (RT-PCR), which is highly sensitive and specific for detecting viral RNA.
LEGIONELLA PNEUMOPHILA REAL TIME PCR TEST	GLH063	30 IU/ml	Sputum, bronchoalveolar lavage (BAL), tracheal aspirates, lung tissue biopsies,Blood, Water samples	Legionella pneumophila Real-Time PCR Test is a diagnostic tool that detects the DNA of Legionella pneumophila, the bacteria responsible for Legionnaires' disease (a severe pneumonia) and Pontiac fever (a milder illness). This real-time PCR method provides a quick and accurate way to identify Legionella pneumophila in patient samples, such as those from the respiratory system, as well as environmental samples like water, which can be the source of infection.



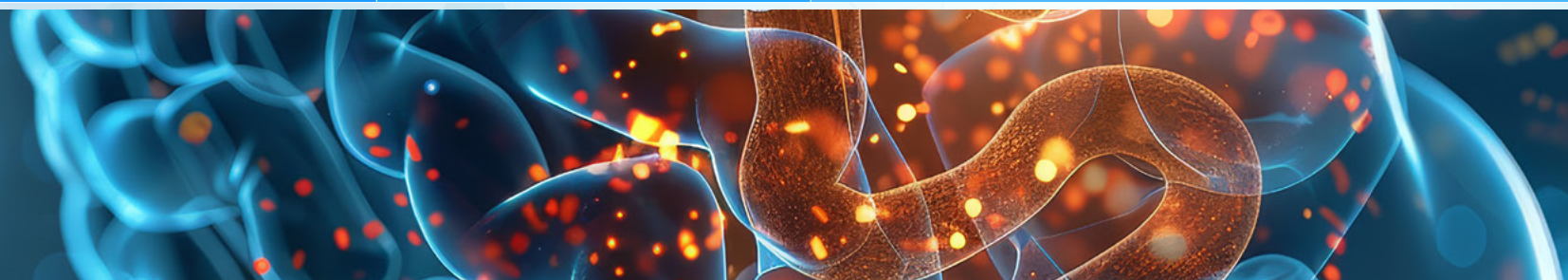
GYNIC MARKERS	HPV 16 & 18 REAL-TIME PCR TEST	GLH044	10 IU/ml	Cervical swabs, Liquid-based cytology samples, Biopsy specimens	HPV 16 & 18 Real-Time PCR Test Kit is a high-performance molecular diagnostic tool designed for the qualitative detection and differentiation of Human Papillomavirus (HPV) types 16 and 18, which are responsible for approximately 70% of cervical cancer cases worldwide.
INFECTIOUS DISEASE AND SEPSIS	MYCOBACTERIUM TUBERCULOSIS (MTB) REAL TIME PCR TEST	GLH046	10 IU/ml	Sputum, bronchoalveolar lavage (BAL), swabs, urine, cerebrospinal fluid (CSF), plasma, and stool specimens	Mycobacterium tuberculosis Real Time PCR Test Kit is a PCR kit that is used to identify the M.tuberculosis both qualitatively and quantitatively by detecting nucleic acids from Sputum,Bal,swab,urine,CSF,plasma and stool samples.The kit supports endogenous internal control (IC), which serves as the extraction control and helps to exclude the unreliable result
	AFRICAN SLEEPING SICKNESS REAL-TIME PCR TEST	GLH056	10 IU/ml	Blood Samples, Cerebrospinal Fluid (CSF), Lymph Node Aspirates, Skin Biopsies	African Sleeping Sickness Real-Time PCR Test Kit is a highly sensitive and reliable diagnostic tool designed for the precise detection of Trypanosoma brucei in clinical samples, including blood, cerebrospinal fluid (CSF), lymph node aspirates, and skin biopsies.
	BABESIA MICROTI REAL-TIME PCR TEST	GLH062	50 IU/ml	Whole blood, serum, plasma, and dried blood spots (DBS).	Babesia microti Real-Time PCR Test Kit is a highly sensitive and reliable molecular diagnostic tool designed for the accurate detection of Babesia microti DNA in clinical samples, including Whole blood, serum, plasma, and dried blood spots (DBS).
	YERSINIA PESTIS	GLH072	45 IU/ml	Blood samples, Sputum & Bronchoalveolar Lavage (BAL) Fluid, Lymph Node Aspirates, Cerebrospinal Fluid (CSF), Oropharyngeal Swabs	Yersinia pestis PCR Test Kit is a highly sensitive and reliable molecular diagnostic tool designed for the accurate detection of Yersinia pestis, the causative agent of plague, in human clinical samples. This test is essential for early detection and rapid response, as Y. pestis infections can be severe and life-threatening
	BACILLUS ANTHRACIS REAL-TIME PCR TEST	GLH071	40 IU/ml	whole blood, serum, sputum, bronchoalveolar lavage (BAL) fluid, skin lesion swabs, cerebrospinal fluid (CSF), and bacterial cultures.	Bacillus anthracis Real-Time PCR Test Kit is a highly sensitive and reliable molecular diagnostic tool designed for the rapid and accurate detection of Bacillus anthracis, the causative agent of anthrax, in human clinical samples. This test is essential for early diagnosis and outbreak response, as B. anthracis infections can be severe and potentially fatal.
	LEISHMANIASIS REAL-TIME PCR TEST	GLH068	35 IU/ml	Whole blood, serum, bone marrow and spleen aspirates, skin lesion swabs or biopsies, and lymph node aspirates.	Leishmaniasis Real-Time PCR Test Kit is a highly sensitive and reliable molecular diagnostic tool designed for the precise detection of Leishmania DNA in human clinical samples. This test is particularly valuable for diagnosing cutaneous, mucocutaneous, and visceral leishmaniasis, even in cases with low parasite loads, where traditional methods may not be sufficient.
GENETIC DISORDER	HLA B 27 REAL-TIME PCR TEST KIT	GLH049	30 IU/ml	Peripheral blood samples	HLA B 27 Real-Time PCR Test Kit is a specialized molecular diagnostic tool designed for the detection and quantification of HLA-B27. This PCR kit identifies nucleic acids from peripheral blood samples, aiding in the diagnosis of conditions associated with HLA-B27, such as certain autoimmune and inflammatory disorders.
ONCOLOGY	EPSTEIN-BARR VIRUS (EBV) REAL-TIME PCR TEST	GLH050	120 IU/ml	Whole Blood, Plasma, Serum, Lymph Node Biopsy, Nasopharyngeal Biopsy, Cerebrospinal Fluid (CSF), Saliva/Oral Swabs, Urine	Epstein-Barr Virus (EBV) Real-Time PCR Test Kit is a specialized molecular diagnostic assay designed for the qualitative and quantitative detection of EBV nucleic acids in whole blood, plasma, serum, and biopsy samples. This PCR-based test provides accurate and reliable results, making it a valuable tool for diagnosing and monitoring EBV-related infections and associated conditions, such as infectious mononucleosis and certain malignancies

ESKAPE PATHOGENES	STAPHYLOCOCCUS AUREUS REAL TIME PCR TEST	GLH065	10 IU/ml	Blood, sputum, urine, wound swabs	Staphylococcus aureus Real-Time PCR Test is a molecular diagnostic method used to rapidly detect the presence of S. aureus, including methicillin-resistant strains (MRSA), in clinical or environmental samples. Since S. aureus is part of the ESKAPE pathogens, it is a high-priority target for diagnostic tools
	KLEBSIELLA PNEUMONIAE REAL-TIME PCR TEST	GLH064	25 IU/ml	Respiratory specimens (sputum, bronchoalveolar lavage), Blood, Urine, Cerebrospinal fluid (CSF), Wound swabs, Rectal swabs	Klebsiella pneumoniae Real-Time PCR Test is to detect Klebsiella pneumoniae DNA and potentially screen for antibiotic resistance genes using real-time PCR (qPCR)
	ACINETOBACTER BAUMANNII REAL-TIME PCR TEST	GLH070	20 IU/ml	Blood, sputum, urine, wound swabs	To detect A. baumannii DNA directly from clinical and environmental samples using real-time PCR (qPCR), optionally including resistance gene detection.
	PSEUDOMONAS AERUGINOSA REAL-TIME PCR TEST KIT	GLH069	45 IU/ml	Sputum, bronchoalveolar lavage, Blood cultures, CSF, Wound and burn swabs, Urine, Catheter tips, endotracheal aspirates	Pseudomonas aeruginosa Real-Time PCR Test Kit is a rapid, sensitive, and specific molecular diagnostic assay designed to detect the presence of P. aeruginosa DNA in clinical and environmental samples. This opportunistic Gram-negative bacterium is a leading cause of hospital-acquired infections and a prominent member of the WHO-listed ESKAPE pathogens, known for its intrinsic resistance mechanisms and ability to survive in hostile environments.
	ENTEROCOCCUS FAECIUM REAL-TIME PCR TEST	GLH089	40 IU/ml	Blood, sputum, urine, wound swabs, Rectal and perianal swabs	This Real-Time PCR Test Kit enables the specific and sensitive detection of E. faecium DNA, with optional multiplexing to detect vancomycin resistance genes (vanA, vanB). Results are delivered within 90 minutes using fluorescent probe-based qPCR.
	ENTEROBACTER SPECIES	GLH090	50 IU/ml	Blood, sputum, urine, wound swabs	Real-Time PCR Test Kit offers rapid, species-complex level detection of Enterobacter spp. from diverse clinical and environmental samples, with optional inclusion of antibiotic resistance gene targets for comprehensive surveillance.
ZOO NOTIC DISEASE	BRUCELLA ABORTUS REAL-TIME PCR TEST	GLH078	45 IU/ml	Whole Blood, Serum, Plasma, Bone marrow, Lymph nodes, Tissue biopsies	Brucella abortus Real-Time PCR test kit is designed to detect the presence of Brucella abortus, a bacterial pathogen responsible for brucellosis in humans, which is typically transmitted through contact with infected animals or consumption of unpasteurized dairy products. This PCR kit targets specific genes unique to Brucella abortus, allowing for rapid, sensitive, and accurate diagnosis
	BURKHOLDERIA MALLEI REAL-TIME PCR TEST	GLH075	50 IU/ml	Whole blood, Serum, Plasma, Respiratory specimens (sputum, BAL), Wound swabs, Tissue biopsies, Nasal/throat swabs	Burkholderia mallei Real-Time PCR Test Kit is a molecular diagnostic tool designed for the qualitative detection of B. mallei DNA in human clinical samples using real-time PCR (qPCR). It enables early, rapid, and specific identification of B. mallei in suspected glanders cases.
	BURKHOLDERIA PSEUDOMALLEI REAL-TIME PCR TEST	GLH076	50 IU/ml	Whole blood, serum, plasma, sputum, urine, abscess pus, wound swabs, cerebrospinal fluid (CSF), and throat or nasal swabs	Burkholderia pseudomallei Real-Time PCR Test Kit is designed for the rapid, sensitive, and specific detection of B. pseudomallei DNA in human clinical samples using quantitative real-time PCR (qPCR). This is crucial for early diagnosis of melioidosis, which can be acute or chronic and mimic other diseases like tuberculosis or pneumonia
	BRUCELLA MELITENSIS REAL-TIME PCR TEST	GLH079	45 IU/ml	Whole blood, serum, plasma, sputum, urine, abscess pus, wound swabs, cerebrospinal fluid (CSF), throat or nasal swabs	Brucella melitensis Real-Time PCR Test Kit is designed for the rapid and specific detection of B. melitensis DNA in human clinical samples. This bacterium is the most pathogenic species of Brucella for humans and is primarily transmitted via direct contact with infected animals (sheep, goats) or ingestion of unpasteurized dairy products. Early molecular detection using real-time PCR is essential due to its intracellular nature and non-specific symptoms
	BACILLUS ANTHRACIS REAL-TIME PCR TEST	GLH081	40 IU/ml	whole blood, serum, sputum, bronchoalveolar lavage (BAL) fluid, skin lesion swabs, cerebrospinal fluid (CSF), and bacterial cultures.	Bacillus anthracis Real-Time PCR Test Kit is a highly sensitive and reliable molecular diagnostic tool designed for the rapid and accurate detection of Bacillus anthracis, the causative agent of anthrax, in human clinical samples. This test is essential for early diagnosis and outbreak response, as B. anthracis infections can be severe and potentially fatal.

	RABIES REAL TIME RT- PCR TEST	GLH094	25 IU/ml	saliva, cerebrospinal fluid (CSF), skin biopsies (nuchal), corneal impressions	Rabies Real-Time RT-PCR Test is a highly sensitive and specific molecular assay designed for the qualitative detection of rabies virus RNA in human clinical specimens such as saliva, cerebrospinal fluid (CSF), skin biopsies (nuchal), or corneal impressions. Utilizing one-step reverse transcription followed by real-time PCR amplification, the assay enables early and reliable detection of rabies virus, even in cases where classical symptoms are not yet fully manifested.
SEXUALLY TRANSMITTED DISEASE(STDs)	CHLAMYDIA TRACHOMATIS REAL-TIME PCR TEST	GLH061	55 IU/ml	Male: First-catch urine or urethral swab, Female: Vaginal, endocervical swab, or urine. Other sites: Rectal, throat swabs	Chlamydia trachomatis Real-Time PCR Test detects Chlamydia trachomatis DNA in clinical specimens using real-time polymerase chain reaction (qPCR). It is one of the most sensitive and specific tests for sexually transmitted Chlamydia infection.
	CANDIDA ALBICANS REAL-TIME PCR TEST	GLH066	60 IU/ml	Female: Vaginal swab, cervical swab, endocervical swab, urine, Male: Urethral swab, semen, urine, Both sexes: Rectal swab, oral swab	Candida albicans Real-Time PCR Test is designed to detect and quantify the presence of Candida albicans DNA in clinical specimens using Real-Time Polymerase Chain Reaction (qPCR). Candida albicans is a yeast that is part of the normal human microbiota but can cause opportunistic infections, especially in the genitourinary tract, and may be sexually transmissible in some cases
	HERPES SIMPLEX VIRUS (HSV-1 & HSV-2) REAL-TIME PCR TEST	GLH086	45 IU/ml	Genital swabs (vaginal, cervical, urethral), Lesion swabs, Rectal swabs, Oral swabs, Cerebrospinal fluid (CSF), Urine, semen, blood	Herpes Simplex Virus (HSV-1 & HSV-2) Real-Time PCR test detects and differentiates between Herpes Simplex Virus Type 1 (HSV-1) and Herpes Simplex Virus Type 2 (HSV-2) DNA in clinical specimens using Real-Time PCR. It is crucial for diagnosing genital herpes, oral herpes, and neonatal herpes
	NEISSERIA GONORRHOEAE REAL-TIME PCR TEST	GLH087	45 IU/ml	Female: Vaginal swab, cervical swab, endocervical swab, urine, Male: Urethral swab, semen, urine, Both sexes: Rectal swab, oral swab	The test detects and quantifies the DNA of Neisseria gonorrhoeae using real-time PCR.It is a rapid, sensitive, and specific method designed for the early detection of gonorrhea, even in asymptomatic patients
	SYPHILIS REAL-TIME PCR TEST	GLH088	30 IU/ml	Lesion swabs, Cerebrospinal fluid (CSF), Whole blood, plasma, serum, Amniotic fluid, Placental or umbilical tissue	Syphilis Real-Time PCR Test for Syphilis detects the DNA of T. Pallidum directly in clinical specimens. It is especially useful in: Early-stage syphilis (before antibodies develop), Congenital syphilis, unclear serology, Neurosyphilis, where antibody tests may be inconclusive
	TRICHOMONAS VAGINALIS REAL-TIME PCR TEST	GLH095	50 IU/ml	Vaginal swabs, Endocervical swabs, Urethral swabs, First-catch urine (male and female) , Self-collected vaginal swabs	Trichomonas Vaginalis Real-Time PCR Test designed for the detection of Trichomonas vaginalis DNA in human urogenital specimens, including vaginal swabs, endocervical swabs, urethral swabs, and urine samples. The test specifically targets conserved genetic regions of T. vaginalis, enabling rapid and accurate diagnosis of trichomoniasis.
	UREAPLASMA UREALYTICUM REAL-TIME PCR TEST	GLH096	45 IU/ml	Endocervical swabs,Vaginal swabs, Urethral swabs, First-void urine (male and female), Semen samples (for infertility workups, if validated), Amniotic fluid	Ureaplasma urealyticum Real-Time PCR assay is a qualitative molecular diagnostic test designed for the specific detection of Ureaplasma urealyticum DNA in human urogenital specimens
	MYCOPLASMA GENITALIUM REAL-TIME PCR TEST	GLH097	45 IU/ml	First-catch urine (male), urethral swabs, vaginal swabs, endocervical swabs, rectal swabs	Mycoplasma genitalium Real-Time PCR Test is designed for the qualitative detection of Mycoplasma genitalium DNA in human clinical specimens. The assay targets a conserved region 16S rRNA gene, allowing highly specific and sensitive identification of M. genitalium, a sexually transmitted pathogen associated with urethritis, cervicitis, pelvic inflammatory disease, and infertility.
	MYCOPLASMA HOMINIS REAL-TIME PCR TEST	GLH098	45 IU/ml	Urogenital Samples (Most Common): - Vaginal swab, Endocervical swab, Urethral swab, First-catch urine (male or female), Prostatic secretion or ejaculate/semen Reproductive Tract and Fertility-Related Samples: -Endometrial swab or aspirate, Amniotic fluid, Chorionic villus or placental tissue, Embryo culture media (for IVF settings) Neonatal or Obstetric Samples: -Neonatal swab (oral, rectal, or conjunctival), Amniotic sac/ tissue biopsy, Umbilical cord blood or swabs	Mycoplasma hominis Real-Time PCR Test is intended for the qualitative detection of Mycoplasma hominis DNA in human clinical specimens. The test specifically amplifies a conserved region of the 16S rRNA gene ensuring high specificity and sensitivity for M. hominis, a pathogen associated with urogenital tract infections, infertility, pelvic inflammatory disease, chorioamnionitis, and neonatal infections.

MENINGITIS

NEISSERIA MENINGITIDIS REAL TIME PCR TEST	GLH019	25 IU/ml	Cerebrospinal fluid (CSF), Whole Blood, Nasopharyngeal swab, Pleural fluid or joint fluid	Detects the presence of Neisseria meningitidis, a bacterial pathogen responsible for meningococcal meningitis and septicemia, using Real-Time PCR technology for rapid and accurate diagnosis
LISTERIA MONOCYTOGENES REAL TIME PCR TEST	GLH020	7.5 IU/ml	Cerebrospinal Fluid (CSF), Blood, Amniotic fluid, Placental tissue or fetal tissues	Detects Listeria monocytogenes, a Gram-positive bacterium responsible for listeriosis, which can lead to meningitis, particularly in neonates, immunocompromised individuals, and the elderly
STREPTOCOCCUS PNEUMONIAE REAL TIME PCR TEST	GLH021	15 IU/ml	Cerebrospinal Fluid (CSF),- Blood,Middle ear aspirates or pleural fluid	Streptococcus pneumoniae Real Time PCR test is designed for the rapid, sensitive, and specific detection of Streptococcus pneumoniae DNA in clinical samples, aiding in the diagnosis of bacterial meningitis, especially in pediatric and elderly populations
E.COLI K1 REAL TIME PCR TEST	GLH022	5 IU/ml	Cerebrospinal Fluid (CSF), Blood, Plasma, Amniotic Fluid, Urine, Saliva	The test kit is designed for the rapid and precise detection of Human Cytomegalovirus (HCMV) DNA in clinical samples using Real-Time PCR technology, aiding in the diagnosis of CMV-associated meningitis—especially in immunocompromised patients, neonates, and transplant recipients.
HAEMOPHILUS INFLUENZAE REAL TIME PCR TEST	GLH023	35 IU/ml	Cerebrospinal Fluid (CSF), Blood, Nasopharyngeal swabs, Pleural fluid or middle ear fluid	This Real-Time PCR assay enables rapid and reliable detection of Haemophilus influenzae DNA in clinical specimens, providing crucial support in the diagnosis of bacterial meningitis, particularly in pediatric cases.
STREPTOCOCCUS AGALACTIAE REAL TIME PCR TEST	GLH024	30 IU/ml	Cerebrospinal fluid (CSF), Blood, Vaginal, Rectal swabs, Amniotic fluid	Streptococcus agalactiae Real Time PCR assay is designed for the sensitive and specific detection of Streptococcus agalactiae DNA in clinical specimens, particularly to aid in the diagnosis of neonatal meningitis, sepsis, and for maternal GBS screening
CYTOMEGALOVIRUS (CMV) REAL-TIME PCR TEST KIT	GLH025	30 IU/ml	Cerebrospinal Fluid (CSF), Whole blood, plasma,serum, Amniotic fluid , Saliva, urine, Tissue biopsies	Cytomegalovirus (CMV) Real-Time PCR test kit is designed for the qualitative and/or quantitative detection of Human Cytomegalovirus (HCMV) DNA in clinical specimens. The assay is optimized for rapid diagnosis and monitoring of CMV infections, especially in immunocompromised patients, transplant recipients, neonates, and individuals with suspected CMV meningitis or encephalitis.
HERPES SIMPLEX VIRUS (HSV) 1&2 REAL TIME PCR TEST	GLH026	45 IU/ml	Cerebrospinal Fluid (CSF), Genital swabs, Oral lesion swabs, Blood or plasma, Amniotic fluid, Tissue biopsies	Herpes Simplex Virus (HSV) 1&2 Real-Time PCR test is designed for the qualitative detection and differentiation of Herpes Simplex Virus types 1 and 2 (HSV-1 & HSV-2) DNA in clinical specimens. It provides rapid, sensitive, and specific identification of HSV infections, especially in cases of viral meningitis, encephalitis, neonatal herpes, and genital lesions.
HUMAN HERPES VIRUS 6 REAL TIME PCR TEST	GLH027	40 IU/ml.	Cerebrospinal fluid,Blood samples,Throat swabs, Nasopharyngeal swabs,Tissue Biopsy	Human Herpesvirus 6 (HHV-6) Real-Time PCR test for HHV-6 meningitis is used to detect and quantify the presence of HHV-6 DNA in cerebrospinal fluid (CSF) samples. This is a highly sensitive and specific molecular diagnostic method, which can help identify active infection and guide appropriate treatment.
VARICELLA-ZOSTER REAL TIME PCR TEST	GLH028	100 IU/ml	Cerebrospinal Fluid (CSF),Skin Lesions,Blood,Throat swabs, Nasopharyngeal swabs	Varicella-zoster Real-Time PCR test for Varicella-Zoster Virus (VZV) is a powerful diagnostic tool used to detect and quantify VZV DNA in cerebrospinal fluid (CSF) or other relevant clinical samples. Here's an overview of the process and considerations for conducting a VZV Real-Time PCR test in the context of meningitis
CRYPTOCOCCUS GATTII REAL TIME PCR TEST	GLH029	25 IU/ml	Cerebrospinal Fluid (CSF), Blood, Tissue Biopsy, Sputum, Bronchoalveolar Lavage (BAL)	The Real-Time PCR for Cryptococcus gattii is designed to detect fungal DNA with high specificity and sensitivity. This test can help confirm Cryptococcus gattii infection, especially in cases where traditional diagnostic methods (like culture or microscopy) are slow or difficult to perform
JAPANESE ENCEPHALITIS (JE) REAL TIME RT-PCR TEST	GLH057	20 IU/ml	Cerebrospinal Fluid (CSF), Blood, Bronchoalveolar lavage (BAL), Tissue biopsy (brain, lung)	Cryptococcus gattii Real-Time PCR Test kit that detects Cryptococcus gattii DNA in cerebrospinal fluid (CSF) or other clinical samples using real-time PCR (qPCR) technology. It's particularly valuable in diagnosing cryptococcal meningitis caused by C. gattii, especially in immunocompetent individuals, which differentiates it from C. neoformans.
TOXOPLASMA GONDII REAL TIME PCR TEST	GLH053	15 IU/ml	Blood, Plasma, Serum, Cerebrospinal Fluid (CSF), Tissue Biopsy, Amniotic Fluid, Eye Fluids or Retinal Biopsy	Toxoplasma gondii Real Time PCR Test is one of the most sensitive and reliable methods for detecting Toxoplasma gondii DNA in clinical samples. It is used for diagnosing toxoplasmosis, especially in immunocompromised patients, pregnant women, or when conventional serological tests are inconclusive or unavailable.
NAEGLERIA FOWLERI REAL TIME PCR TEST	GLH060	25 IU/ml	Cerebrospinal fluid (CSF), Brain biopsy, Autopsy tissue, Nasal swabs	Naegleria fowleri Real-Time PCR Test is a highly sensitive and specific molecular assay designed for the detection of Naegleria fowleri, the causative agent of Primary Amebic Meningoencephalitis (PAM) — a rare, rapidly progressing, and often fatal central nervous system infection



GASTROINTESTINAL

ADENOVIRUS REAL TIME PCR TEST	GLH031	50 IU/ml	Stool samples, Rectal swabs	Adenovirus Real-Time PCR assay is a qualitative in vitro nucleic acid amplification test designed to detect the presence of Human Adenovirus DNA in clinical stool specimens. The assay is intended for use as part of a multiplex gastrointestinal pathogen panel to assist in the differential diagnosis of infectious gastroenteritis
ROTA VIRUS REAL TIME RT-PCR TEST	GLH032	50 IU/ml	Stool samples, Rectal swabs	Human Gastrointestinal Rotavirus Real-Time RT-PCR Kit is a molecular diagnostic assay designed for the qualitative detection of Rotavirus A RNA in human stool samples. It is intended to identify active infections associated with acute gastroenteritis, particularly in infants, children, and immunocompromised patients.
CAMPYLOBACTER REAL TIME PCR TEST	GLH033	5 IU/ml	Human stool specimens	Campylobacter Real-Time PCR Test Kit IS designed for the qualitative detection of Campylobacter DNA in human stool samples, aiding in the diagnosis of campylobacteriosis
ENTAMOEBIA HISTOLYTICA REAL TIME PCR TEST	GLH034	15 IU/ml	Human stool specimens	Entamoeba histolytica Real-Time PCR Test Kit is for the qualitative detection of Entamoeba histolytica DNA in human stool samples, aiding in the diagnosis of amoebiasis.
CRYPTOSPORIDIUM REAL TIME PCR TEST	GLH035	25 IU/ml	Human stool specimens	Cryptosporidium Real-Time PCR Kit — a powerful tool engineered to detect one of the world's most resilient and elusive gastrointestinal parasites: Cryptosporidium spp.
SHIGELLA REAL TIME PCR TEST	GLH036	5 IU/ml	Human stool specimens	Shigella Real-Time PCR Detection Kit is designed for the rapid and specific identification of Shigella species DNA in human stool samples. This assay aids in the diagnosis of shigellosis, a bacterial infection characterized by diarrhea, fever, and stomach cramps.
SALMONELLA REAL TIME PCR TEST	GLH037	20.45 IU/ml	Human stool specimens	Salmonella Real Time PCR Test Kit is designed for the qualitative/quantitative detection of nucleic acid from Stool samples of suspected individuals with gastrointestinal infection
E. COLI REAL TIME PCR TEST	GLH038	5 IU/ml	Stool samples, Rectal swabs	E. coli Real-Time PCR Test is typically used to detect Escherichia coli (E. coli) infections in human gastrointestinal (GI) samples. These tests target specific genes of E. coli species that cause gastrointestinal illnesses, including pathogenic strains like E. coli O157:H7, and other enteric E. coli variants responsible for diarrhea or foodborne illnesses
GIARDIA REAL TIME PCR TEST	GLH039	35 IU/ml	Stool samples, Rectal swabs, Biopsy Samples	Giardia Real-Time PCR Test is used to detect the presence of Giardia lamblia (also known as Giardia intestinalis or Giardia duodenalis), a protozoan parasite that causes giardiasis, a common intestinal infection. The test is designed to identify Giardia DNA in clinical samples, providing a rapid and accurate diagnosis of giardiasis.
CLOSTRIDIUM DIFFICILE REAL TIME PCR TEST KIT	GLH040	20 IU/ml	Stool samples, Rectal swabs, Colonic Biopsy Specimens	Clostridium difficile (C. difficile) Real-Time PCR Test is designed to detect the presence of Clostridium difficile (C. difficile) toxin genes in clinical samples, particularly in patients with suspected C. difficile-associated disease (CDAD). C. difficile is a bacterium responsible for a range of intestinal infections, often after antibiotic use, leading to symptoms like diarrhea, colitis, and, in severe cases, toxic megacolon or death.
YERSINIA REAL TIME PCR TEST KIT	GLH041	6.5 IU/ml	Stool samples, Rectal swabs	Yersinia Real-Time PCR Test Kits are specifically designed to detect Yersinia enterocolitica, a common cause of GI infections, especially in cases of gastroenteritis. These kits focus on identifying Y. enterocolitica, which can lead to symptoms like diarrhea, abdominal pain, fever, and vomiting, and is typically transmitted through contaminated food or water, particularly undercooked pork or unpasteurized milk.
VIBRIO CHOLERAE REAL TIME PCR TEST	GLH042	10 IU/ml	Stool samples, Rectal swabs, Vomitus Samples	Vibrio cholerae Real-Time PCR Test is designed to detect Vibrio cholerae, the bacterium responsible for cholera, a severe diarrheal disease that can lead to dehydration and death if left untreated. The test is used for diagnosing cholera infections quickly and accurately, particularly in areas with endemic outbreaks or during potential epidemic situations.
HEPATITIS A VIRUS REAL TIME RT-PCR TEST	GLH059	75 IU/ml	stool, Blood,serum, plasma,Liver Biopsy Specimens	Hepatitis A Virus (HAV) Real-Time RT-PCR Test is designed for the detection of Hepatitis A virus RNA in clinical samples, such as blood or stool, to confirm infection with the virus. Hepatitis A is an infectious liver disease caused by the HAV, typically transmitted through the ingestion of contaminated food or water
HELICOBACTER PYLORI REAL TIME PCR TEST	GLH055	10 IU/ml	stool, gastric biopsy, or aspirate	Helicobacter pylori real-time PCR test kit for a GI panel is a molecular diagnostic test that detects the presence of H. pylori bacteria in a sample, typically a gastric biopsy or stool sample. These kits use the polymerase chain reaction (PCR) technique to amplify specific DNA sequences from H. pylori, allowing for sensitive and specific detection of the bacteria





MOLECULAR NUCLEIC ACID EXTRACTION SYSTEM

The QTAQ XT system enables efficient isolation and purification of high-quality DNA and RNA from a wide range of clinical and research samples, including whole blood, serum, plasma, sputum, urine, tissue, saliva, cerebrospinal fluid (CSF), cell culture fluids, cell scrapings, faeces, and PEFBT. The platform supports both spin column and silica-coated magnetic bead-based kits, offering flexibility based on sample type and throughput needs. Each kit is precisely formulated and optimized for specific specimen categories, ensuring maximum yield, purity, and integrity of nucleic acids. High-quality DNA/RNA is critical to the success of molecular workflows — and QTAQ XT delivers nucleic acids you can trust for consistent performance in downstream applications such as PCR, qPCR, RT-PCR, and more.

MAGNETIC BEAD BASED EXTRACTION KIT

Our Magnetic Bead-Based Extraction Kit utilizes advanced magnetic particle technology to efficiently isolate high-quality nucleic acids from a variety of sample types. During the process, nucleic acids bind selectively to the surface of silica-coated magnetic beads in the presence of optimized lysis and binding buffers. These beads are then easily separated using a magnetic field, allowing for rapid, hands-free purification with minimal sample loss. This method ensures high purity, excellent yield, and integrity of DNA/RNA, making it ideal for a wide range of clinical, research, and diagnostic applications, including downstream use in PCR, qPCR, and sequencing workflows.

Test type	Professional use only
Specimen type	Whole Blood, Serum, Plasma, Sputum, Urine, Tissue, Saliva, CSF, Cell Culture fluid, Cell scrapings, Faeces & PEFBT
Packing Configuration	20T Pack
Storage condition	Shipped & Stored at RT

Product Name	Product Code
QTAQ XT Magnetic Particle Technology Specimen: Urine, Saliva, Cell Culture fluid, Swabs, CSF, Cell Scrapings, WB, Serum, Plasma and Tissue	GLXM001
QTAQ XT Magnetic Particle Technology Specimen: Faecal Samples	GLXM002
QTAQ XT Magnetic Particle Technology Specimen: Sputum	GLXM003
QTAQ XT Magnetic Particle Technology Specimen: Paraffin Embedded Formalin Based Tissue (PEFBT)	GLXM004
QTAQ XT Magnetic Particle Technology Specimen: Bacterial spore extraction	GLXM005
QTAQ XT Magnetic Particle Technology Specimen: Feather tip	GLXM006



COLUMN BASED EXTRACTION KIT

The QTAQ Column-Based Extraction Kit is built on the proven principle of nucleic acid binding to a silica gel membrane embedded within a spin column. During the extraction process, nucleic acids selectively adhere to the membrane under chaotropic salt conditions, while impurities are efficiently washed away. Elution is achieved using low or no-salt buffers, delivering highly pure DNA or RNA ready for downstream applications. This method ensures consistent yield and purity, making it a reliable choice for routine molecular biology workflows including PCR, qPCR, RT-PCR, and other nucleic acid-based analysis.

Test type	Professional use only
Specimen type	Whole Blood, Serum, Plasma, Sputum, Urine, Tissue, Saliva, CSF, Cell Culture fluid, Cell scrapings, Faeces & PEFBT
Packing Configuration	20T Pack
Storage condition	Shipped & Stored at RT

Product Name	Product Code
QTAQ XT Spin Column Technology Specimen: WB, Serum, Plasma, Urine, Saliva, Cell Culture fluid, Swabs, CSF, Cell Scrapings	GLXC001
QTAQ XT Spin Column Technology Specimen: WB, Serum, Plasma, Urine, Saliva, Cell Culture fluid, Swabs, Tissue & Faecal	GLXC002
QTAQ XT Spin Column Technology Specimen: Sputum	GLXC003
QTAQ XT Spin Column Technology Specimen: Paraffin Embedded Formalin Based Tissue (PEFBT)	GLXC004
QTAQ XT Spin Column Technology Specimen: Feather tip	GLXC005



MOLECULAR DIAGNOSTICS - AUTOMATION SYSTEM

At Genes for Life, we design and manufacture diagnostic tests, instruments, and solution-oriented support systems across the fields of Food Safety, Animal Health, and Human Healthcare. Empowered by innovation and driven by purpose, we are committed to transforming global health outcomes through our integrated Molecular Intelligence Platform. Our robust, end-to-end portfolio is thoughtfully engineered to meet the real-world needs of laboratories, support their customers, and improve the lives of the patients they serve. From early disease detection to treatment monitoring and proactive health management, we empower healthcare systems to stay one step ahead.

The Automated Platform for Advanced Molecular Diagnostics from Genes for Life, offers an extensive array of products in the field of genetic testing. From magnetic bead-based extraction systems to high-performance PCR systems, QTag Automated platform ensures seamless laboratory operations with precise pipetting, accurate temperature control for thermal cycling, and advanced optical readouts. The system is designed to handle a wide range of sample types and volumes, ensuring versatility across different genetic testing applications.

NUCLEIC ACID EXTRACTION SYSTEM

The Nucleic Acid Extraction System is an automated solution designed to efficiently isolate high-quality DNA/RNA for accurate PCR assays. Featuring an optimized inbuilt protocol for mixing and tapping, the system ensures homogeneous suspension of magnetic beads, maximizing DNA yields and maintaining consistency.

This advanced instrument reduces processing time, minimizes human error, and enhances the reproducibility of results, making it an essential tool for both clinical and research laboratories.

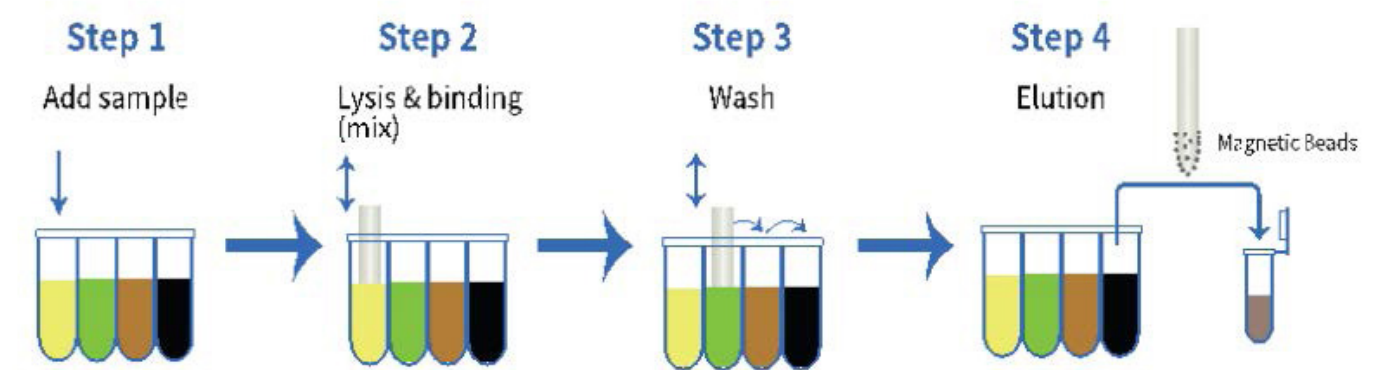
Applications:

This system is ideal for extracting highly purified nucleic acids from a variety of sample types, including those used in veterinary, human, aquatic, and food diagnostics, as well as genetic identity testing, forensic science, biomedical research, and gene expression analysis.

The Nucleic Acid Extraction System, available in 4-sample and 32 sample configurations, utilizes advanced magnetic bead separation technology to efficiently extract RNA and DNA from a wide range of clinical and biological samples. Our proprietary lysis buffer and universal extraction system are optimized for high-efficiency nucleic acid recovery, ensuring superior quality DNA and RNA. The XT4 & XT32 system supports a variety of sample types, including Saliva, Whole blood, Serum, Swabs, Urine, Animal & plant tissues, and more, making it a versatile choice for a broad spectrum of diagnostic and research applications.

Product	Specification
Technology	Magnetic Bead based extraction
Number of Samples	4, 32
Feature	Standalone Machine with touch screen control
Open/Closed System	Closed; Suitable for Magnetic Based Nucleic Acid Extraction kits
Power	AC 100 ~ 240 V, 50 / 60 Hz, 5A (240 V)

Extraction process



Short Extraction Time

It takes 8-13 minutes only from loading sample to Completing the extraction.



POCT

Suitable for various medical environment and finish the extraction process at anytime and anywhere.



Close System

Extraction process are completed in a closed environment and disinfected by ultraviolet lamp to avoid pollution.



Cartridge Details		4 Sample: XT4		32 Sample: XT32	
Specification	Model No.	Sample Type	Model No.	Sample Type	
General DNA/ RNA Nucleic acid extraction reagent	XT4C1	Nasal swab, alveolar lavage, bacterial fluid, transport medium, anal swab, pharyngeal swab, vaginal swab, cervical swab, tissue exudate	XT32C1	Pharyngeal swab, nasopharyngeal swab, serum, plasma, vaginal samples	
Whole blood Genomic DNA/ RNA extraction reagent	XT4C2	Fresh or frozen whole blood	XT32C2	Whole blood	
Bacterial DNA/ RNA extraction reagent	XT4C3	Urine, feces	XT32C3	Urine, feces	
Sputum DNA/ RNA extraction reagent	XT4C4	Sputum	XT32C4	Sputum	
Advanced nucleic acid extraction reagent	XT4C5	Saliva, human tissue	XT32C5	Mucus, tissue, whole blood, cervical exfoliated cells	

SPECIFICATION	MODEL NO: GL-CQ41	MODEL NO: GL-CQ42
Sample capacity	16×0.2 ml	32×0.2 ml (16 well, double block)
Consumable	Clear 0.2 ml PCR tube/8 tube strip	Clear 0.2 ml PCR tube/8 tube strip
Reaction volume	20-100 µl	10-100 µl
Temperature control technology	Marlow thermoelectric Peltier cooler module	Marlow customized Peltier allow 1,000,000
Temperature Range	0-100°C (Resolution: 0.1°C)	0-100°C (Resolution: 0.1°C)
Uniformity	± 0.2°C	±0.25°C
Accuracy	± 0.2°C	±0.25°C
Excitation wavelength 4 Channels (FAM/VIC/ROX/CY5)	F1:465 nm, F2: 525 nm F3: 571 nm, F4: 628 nm	F1:465 nm, F2: 525 nm F3: 571 nm, F4: 628 nm
Detection wavelength 4 Channels (FAM/VIC/ROX/CY5)	F1:510 nm, F2: 525 nm F3:612 nm, F4: 692 nm	F1:510 nm, F2: 525 nm F3:612 nm, F4: 692 nm
No. of fluorescent Channels	4	4
Factory Calibrated Dyes	FAM/VIC/ROX/CY5	FAM/SYBR Green I, HEX/VIC/JOE/ TET; ROX; CY5
Sensitivity	1 copy	1 copy
Power	DC15 V 240 W	DC15 V 255 W

REAL TIME PCR MACHINE

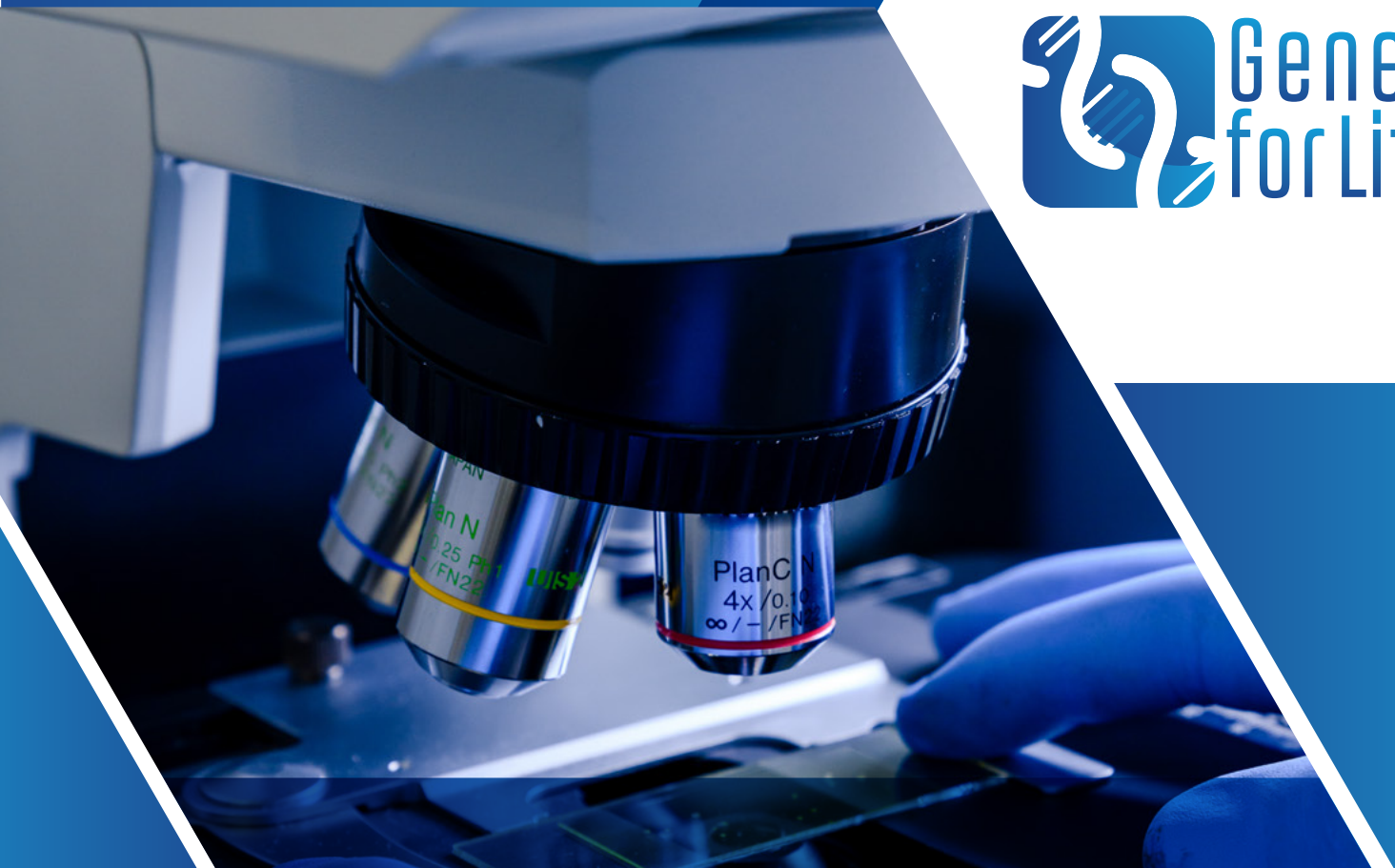
Real-Time PCR machine is a portable fluorescence quantitative PCR instrument with 4 channels and 16 & 32 well block, the system incorporates innovative optical technologies with powerful software to provide maximal reliability and efficiency for your entire real time PCR assay.

Application: The product can be used for real-time detection in veterinary, human, aquatic and food diagnostics, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety and scientific research in biological laboratories.

FEATURES

- ✓ It adopts high-level thermoelectric Peltier cooler module and a new generation of semi conductor heating and cooling technology, with a service life up to one million cycles.
- ✓ Fast ramp of 6.5°C /s, saving valuable experiment time.
- ✓ Adopt maintenance free and long life LED light source, no need to replace the light source regularly and recalibrate the dye.
- ✓ The built in standard program file template can help you quickly edit the required file.
- ✓ Real-time display of program progress, fast access to experimental data and results.
- ✓ USB interface can support U disk to store/ retrieve PCR data and LAN to update software, an external computer can also be used to control.
- ✓ A variety of analysis methods and software algorithms meet the diverse needs of users, and the automatic calculation method gently simplifies the difficulty of analysis.





DIAGNOSTICS FOR ALL

Human Healthcare,
Animal Diagnostics, Food
Safety & Aquatic Pathogen
Screening



CONTRACT MANUFACTURING

An embedded CMO who leverage decades
of scientific expertise, operational excellence,
and best-in-class facilities to provide you with
one of the most reliable manufacturing op-
tions for high quality supply chain assurance



CONTRACT PRODUCT DEVELOPMENT

Your Vision, we will make it real!!
We design, prototype, and manufacture
innovative products, both conceived in-house
and as a contract service



DIAGNOSTIC AUTOMATIONS

Automation tailored to the
needs of the laboratory
can expedite workflow and
optimize the productivity.
Specialized in streamlining
workflow and processes.

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