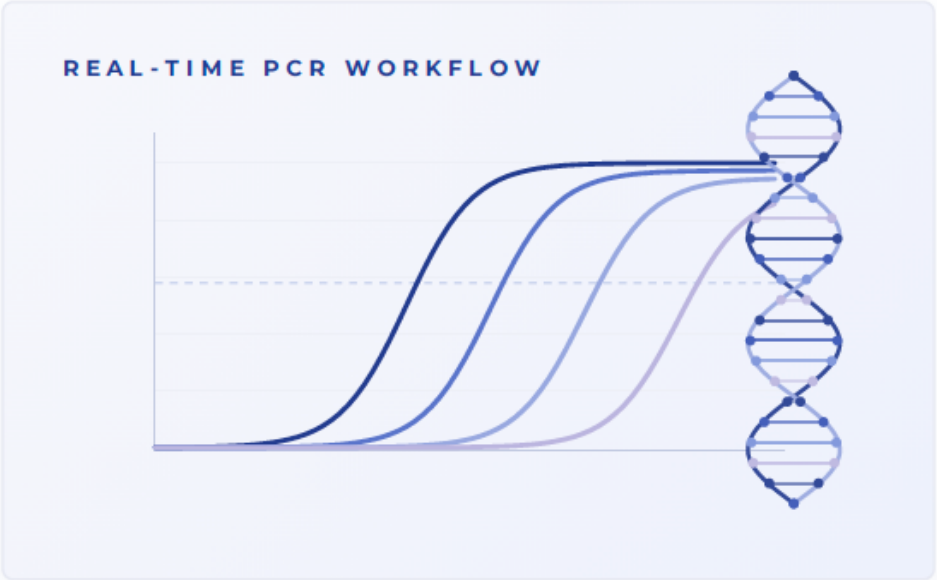
Galatek

Human Infectious Disease Nucleic Acid Detection Kits

13341 W U.S. 290, Building 2
Austin, TX 78737

galatek.ai



CONTENTS

Overview & Product Features 2

Respiratory Infections 3

Sexually Transmitted Infections 4

Blood-borne Infections 5

Overview & Features

The Human Infectious Disease Nucleic Acid Detection Kit employs a high-fidelity thermostable DNA polymerase togehter with pathogen-specfic primers and fluorescence probes targeting conserved sequences. Built on real-time PCR technology, it enables *in vitro* amplification and fluorescense signal monitoring for the rapid detection of infectious pathogens.

Comprehensive Coverage

- Detects 13 major human infectious diseases across respiratory, sexually transmitted and blood-borne panels

Ultra-Sensitive & Accurate

- High-fidelity enzyme paired with optimized primers and probes
- Uracil-N-glycosylase (UNG) enzyme system degrades residual amplicons to prevent carryover contamination between reactions

Streamlined Workflow

- Built-in reverse transcriptase for direct RNA virus detection
- Freeze-dried reagent — one-step sample filling and direct amplification
- Fully open reagents compatible with all qPCR instruments
- Custom multiplex configurations: combine only the target pathogens you need, avoiding wasted reagents and cost vs. rigid, pre-configured panels

13	RT-PCR	UNG	OPEN
TARGETS	BUILT-IN RT	ANTI-CARRYOVER	ALL QPCR SYSTEMS

Respiratory Infections

Real-time PCR assays for the most clinically relevant respiratory viral and bacterial pathogens, designed for high sensitivity on conversed target sequences.

Cat. No.	Test Item	Target Pathogen	Detection Format
BFRT100	**SARS-CoV-2 Nucleic Acid Detection Kit**	*SARS-CoV-2*	Real-time RT-PCR
BFRT102	**Respiratory Syncytial Virus (RSV) A/B Nucleic Acid Detection Kit**	*RSV A/RSV B*	Real-time RT-PCR
BFRT104	**Mycoplasma pneumoniae Nucleic Acid Detection Kit**	*M. pneumoniae*	Real-time PCR
BFRT105	**Mycobacterium tuberculosis Nucleic Acid Detection Kit**	*M. tuberculosis*	Real-time PCR
BFRT106	**Bordetella pertussis Nucleic Acid Dectection Kit**	*B. pertussis*	Real-time PCR
BFRT107	**Influenza A/B & SARS-CoV-2 Nucleic Acid Detection Kit**	*Flu A/B • SARS-CoV-2*	Real-time RT-PCR
BFRT108	**Influenza A/B Nucleic Acid Detection Kit**	*Influenze A/B*	Real-time RT-PCR

Sexually Transmitted Infections

A focused panel covering common bacterial, viral and mycoplasmal agents of sexually transmitted infection, including signle-target and multiplex configurations.

Cat. No.	Test Item	Target Pathogen	Detection Format
BFRT101	**Group B Streptococcus Nucleic Acid Detection Kit**	*Group B Streptococcus*	Real-time PCR
BFRT103	**Herpes Simplex Virus (HSV) 1/2 Nucleic Acid Detection Kit**	*HSV-1/HSV-2*	Real-time PCR
BFRT109	**Neisseria gonorrhoeae/ Ureaplasma urealyticum Detection Kit**	*N. gonorrhoeae* • *U. urealyticum*	Real-time PCR
BFRT111	**Ureaplasma urealyticum (UU) Nucleic Acid Detection Kit**	*U. urealyticum*	Real-time PCR
BFRT112	**Chlamydia trachomatis (CT) Nucleic Acid Dectection Kit**	*C. trachomatis*	Real-time PCR
BFRT113	**Neisseria gonorrhoeae (NG) Nucleic Acid Detection Kit**	*N. gonorrhoeae*	Real-time PCR

Blood-borne Infections

Quantitative fluorescence assays for hepatitis B and hepatitus C viral load monitoring, available in multiple kit configurations to suit varied throughout needs.

Cat. No.	Test Item	Target Pathogen	Detection Format
BFRT114M	**Hepatitus B Virus DNA Quantitative Fluorescence Detection Kit**	*Hepatitus B Virus (HBV)*	Quantitative Real-time PCR
BFRT114D6	**Hepatitus B Virus DNA Quantitative Fluorescence Detection Kit**	*Hepatitus B Virus (HBV)*	Quantitative Real-time PCR
BFRT115M	**Hepatitus C Virus DNA Quantitative Fluorescence Detection Kit**	*Hepatitus C Virus (HCV)*	Quantitative Real-time RT-PCR
BFRT115D6	**Hepatitus C Virus DNA Quantitative Fluorescence Detection Kit**	*Hepatitus C Virus (HCV)*	Quantitative Real-time RT-PCR

Galatek

Visit us at galatek.ai

13341 W U.S. 290, Building 2 • Austin, TX 78737