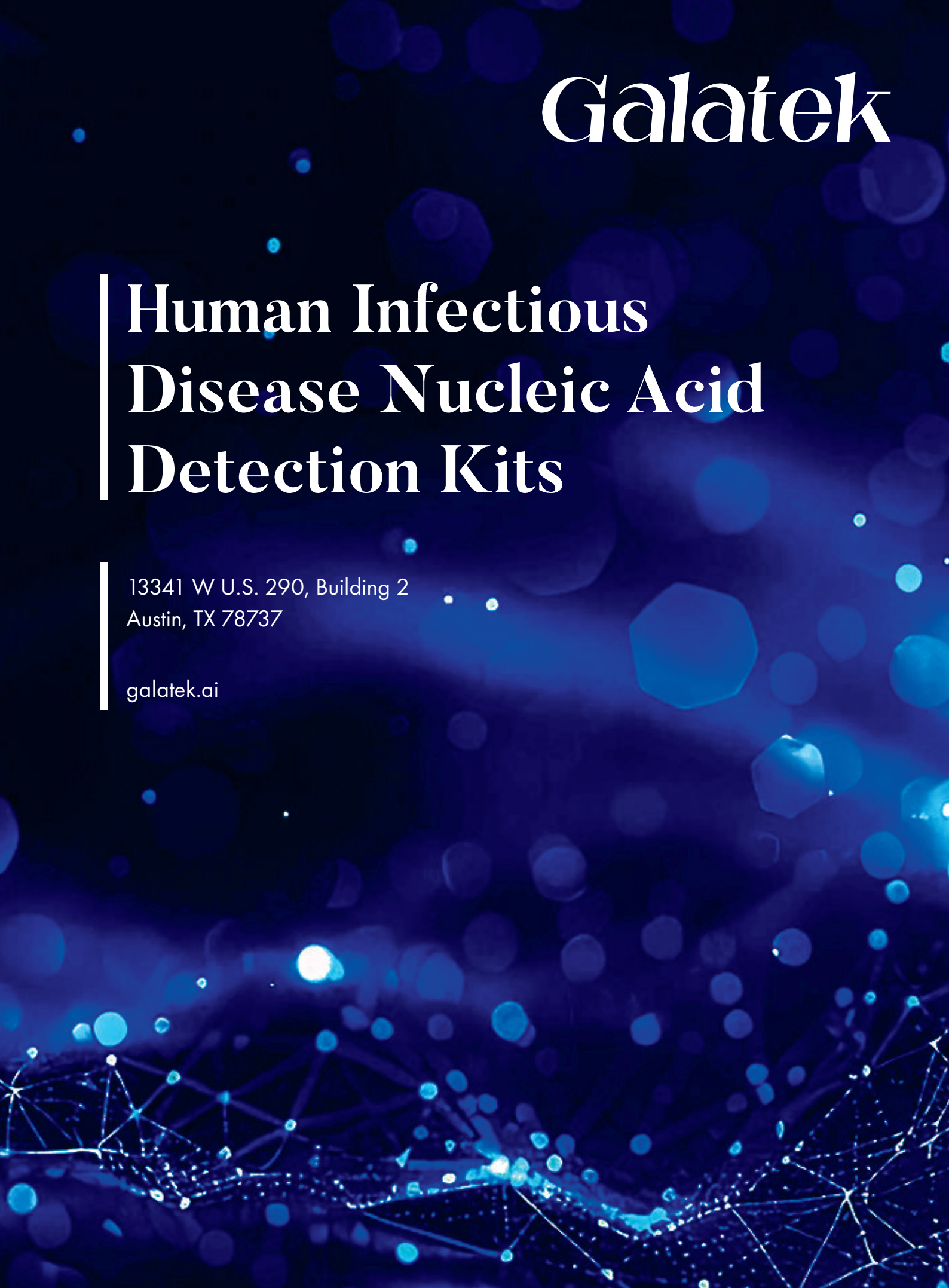




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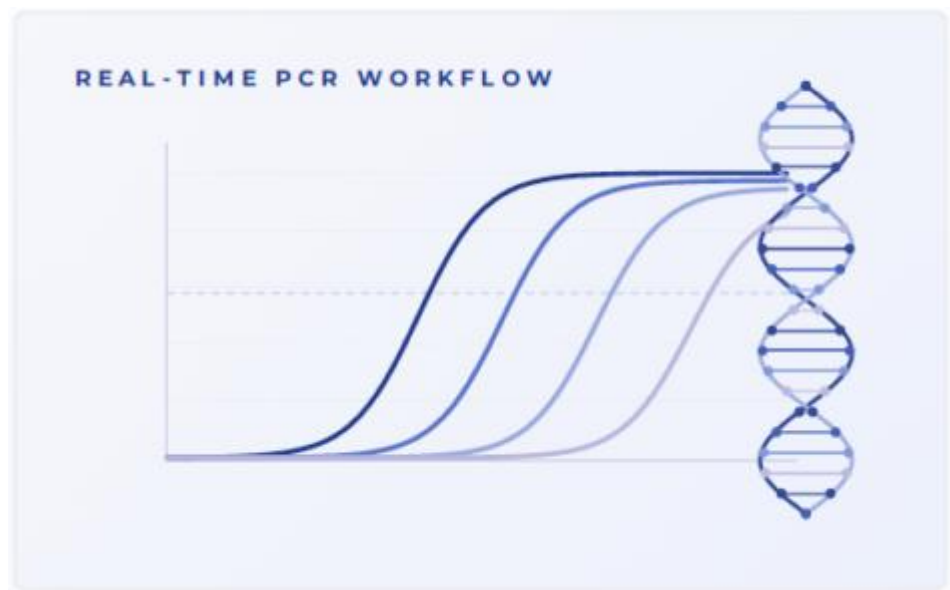
## Human Infectious Disease Nucleic Acid Detection Kits

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## Overview & Features

The Human Infectious Disease Nucleic Acid Detection Kit employs a high-fidelity thermostable DNA polymerase together with pathogen-specific primers and fluorescence probes targeting conserved sequences. Built on real-time PCR technology, it enables *in vitro* amplification and fluorescence 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**

TARGETS

**RT-PCR**

BUILT-IN RT

**UNG**

ANTI-CARRYOVER

**OPEN**

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  | <b>SARS-CoV-2 Nucleic Acid Detection Kit</b>                            | <i>SARS-CoV-2</i>           | Real-time RT-PCR |
| BFRT102  | <b>Respiratory Syncytial Virus (RSV) A/B Nucleic Acid Detection Kit</b> | <i>RSV A/RSV B</i>          | Real-time RT-PCR |
| BFRT104  | <b>Mycoplasma pneumoniae Nucleic Acid Detection Kit</b>                 | <i>M. pneumoniae</i>        | Real-time PCR    |
| BFRT105  | <b>Mycobacterium tuberculosis Nucleic Acid Detection Kit</b>            | <i>M. tuberculosis</i>      | Real-time PCR    |
| BFRT106  | <b>Bordetella pertussis Nucleic Acid Detection Kit</b>                  | <i>B. pertussis</i>         | Real-time PCR    |
| BFRT107  | <b>Influenza A/B &amp; SARS-CoV-2 Nucleic Acid Detection Kit</b>        | <i>Flu A/B • SARS-CoV-2</i> | Real-time RT-PCR |
| BFRT108  | <b>Influenza A/B Nucleic Acid Detection Kit</b>                         | <i>Influenza A/B</i>        | Real-time RT-PCR |



## Sexually Transmitted Infections

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

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



## Blood-borne Infections

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

| Cat. No.  | Test Item                                                                    | Target Pathogen                    | Detection Format                 |
|-----------|------------------------------------------------------------------------------|------------------------------------|----------------------------------|
| BFRT114M  | <b>Hepatitis B Virus DNA<br/>Quantitative Fluorescence<br/>Detection Kit</b> | <i>Hepatitis B Virus<br/>(HBV)</i> | Quantitative<br>Real-time PCR    |
| BFRT114D6 | <b>Hepatitis B Virus DNA<br/>Quantitative Fluorescence<br/>Detection Kit</b> | <i>Hepatitis B Virus<br/>(HBV)</i> | Quantitative<br>Real-time PCR    |
| BFRT115M  | <b>Hepatitis C Virus DNA<br/>Quantitative Fluorescence<br/>Detection Kit</b> | <i>Hepatitis C Virus<br/>(HCV)</i> | Quantitative<br>Real-time RT-PCR |
| BFRT115D6 | <b>Hepatitis C Virus DNA<br/>Quantitative Fluorescence<br/>Detection Kit</b> | <i>Hepatitis C Virus<br/>(HCV)</i> | Quantitative<br>Real-time RT-PCR |

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