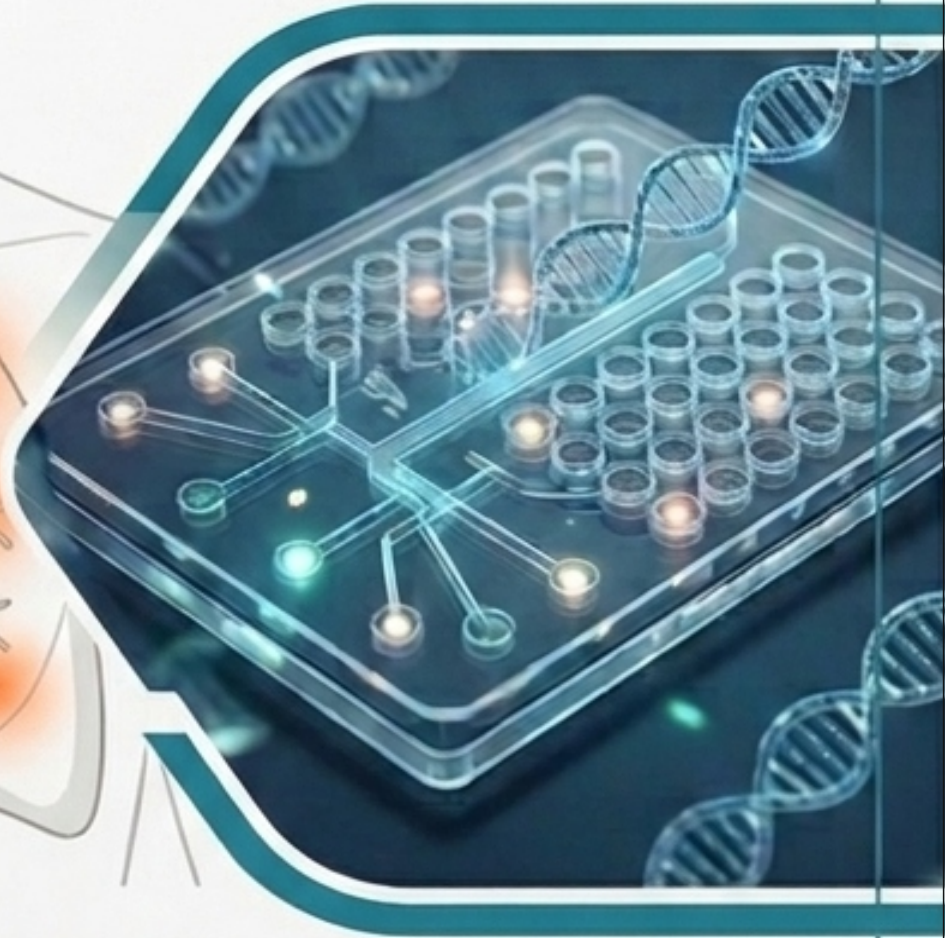




**Advance Respiratory Diagnostics  
Empowering Public Health**



**Genplex<sup>TM</sup>**

**Comprehensive Respiratory  
RT-PCR Multiplex Kit**

*Partnering For Precise Diagnostics And A Healthier Future*



# Introducing Genplex<sup>™</sup> Comprehensive Respiratory RT-PCR Multiplex Kit

20 Pathogens  
One Test  
90 Minutes



**Precision Diagnostics  
Empowering Better Outcomes.**

## Comprehensive Respiratory RT-PCR Multiplex Kit

- Comprehensive Pathogen Profiling**  
 Comprehensive assay for the detection and identification of 20 pathogens using one-step real-time RT-PCR.
- Timely Results, Uncompromised Accuracy**  
 This comprehensive coverage simplifies the diagnostic process & enables timely and precise identification.
- Advanced Multiplex Differentiation**  
 The RCP-Q kit is equipped to detect & differentiate a vast array of respiratory pathogens, including viruses and bacteria, all in a single test
- Advanced Multiplex Diagnostic Principle**  
 The Respiratory Panel amplifies a conserved microbial genome region, enabling parallel multiplex reactions in each tube to detect different targets using four unique dyes.

### 20 Pathogens at Glance

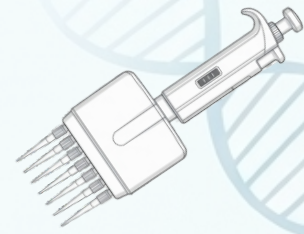
 HCoV-229E	 HCoV-NL63	 HCoV-OC43	 HCoV-HKU1
 Parainfluenza 1	 Parainfluenza 2	 Parainfluenza 3	 Parainfluenza 4
 Influenza A	 Human meta pneumo virus	 H3N2	 Enterovirus
 H1N1	 Rnase P	 Influenza B	 Influenza C
 Rhinovirus	 RSV A/B	 Bocavirus	 Adenovirus

### Valid Sample Matrices

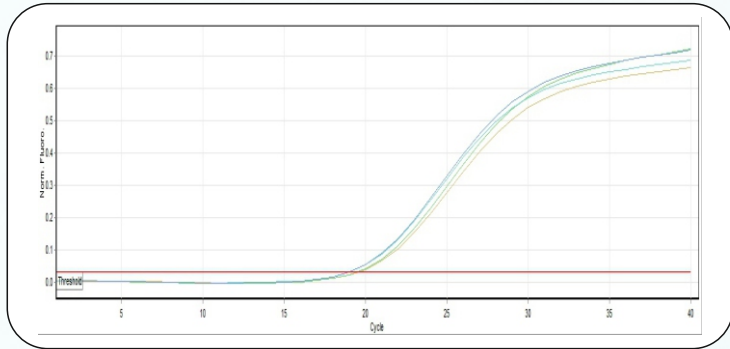


Validated for use with Human Respiratory Samples, Human respiratory samples, sputum, tracheal aspirate, throat swab, nasopharyngeal swab

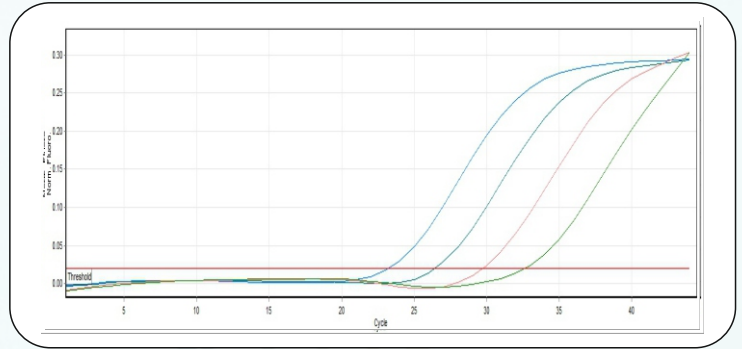
# Genplex™



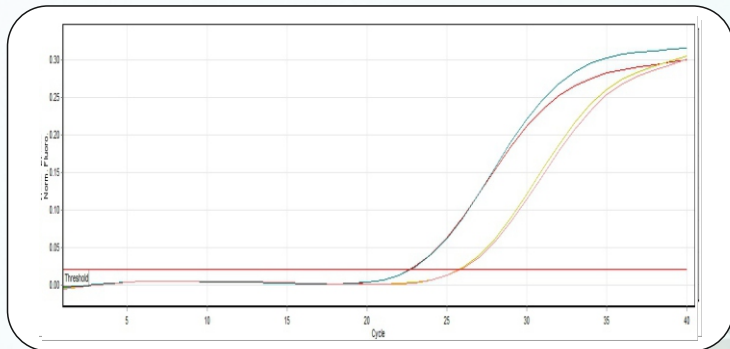
## Comprehensive Respiratory RT-PCR Multiplex Kit



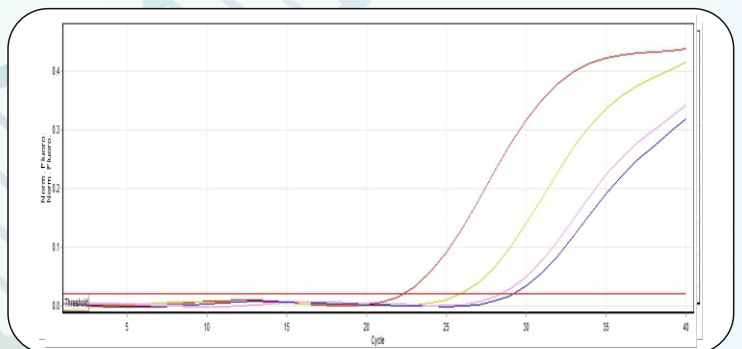
Tube 1: Parainfluenza 1, Parainfluenza 2, Parainfluenza 3, Parainfluenza 4



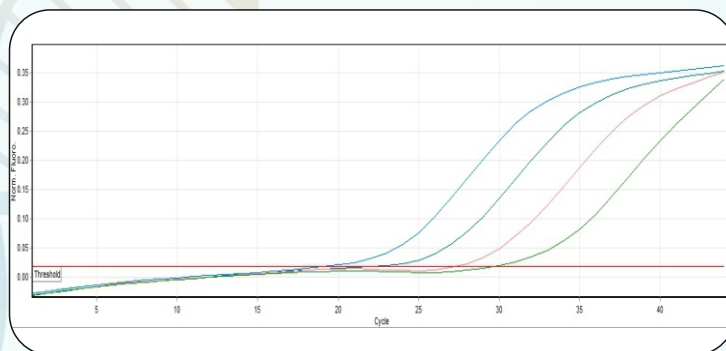
Tube 2: Influenza A, H3N2, Enterovirus, HMPV



Tube 3: H1N1, RNase P, Influenza B, Influenza C



Tube 4: Adenovirus, Bocavirus, RSV A/B, Rhinovirus



Tube 5: HCoV-229E HCoV-NL63 HCoV-OC43 HCoV-HKU1

**SENSITIVITY ≥ 95%**

**SPECIFICITY ≥ 98%**

### ASSAY DESIGN



Sample Collection : Respiratory Sputum  
Pulmonary or Extra Pulmonary samples &  
Bronchoalveolar lavage (BAL)



Extraction of  
Nucleic Acid










RT-PCR  
Detection



Analysis and Report

# GENPLEX™ Comprehensive Respiratory Kit - Specifications & Order Guide

## COMPREHENSIVE PATHOGEN DETECTION PANEL

-  Influenza A
-  Influenza B
-  RSV
-  Adenovirus
-  Rhinovirus
-  hMPV
-  Parainfluenza, etc.

Multiplex RT-PCR for key respiratory viruses & bacteria

Single well test for efficient screening.



## SYSTEM COMPATIBILITY & FEATURES

**Ready-to-use Reagents**  
Includes Internal Control  
**Validated Performance.**



Requires **Real-Time PCR Instruments** with the **following** detection channels: FAM, ROX, Cy5, **Texas Red**.  
example Systems : Validated for use on most RT-PCR platforms available in the market, including Thermacyte X16 and X96 (ProbGen Brand).



## Ordering Information

Product Name	Cat No.	Pack Size
Genplex™ Comprehensive Respiratory RT-PCR Multiplex Kit	GP1001	48
Genplex™ Comprehensive Respiratory RT-PCR Multiplex Kit	GP1002	96



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