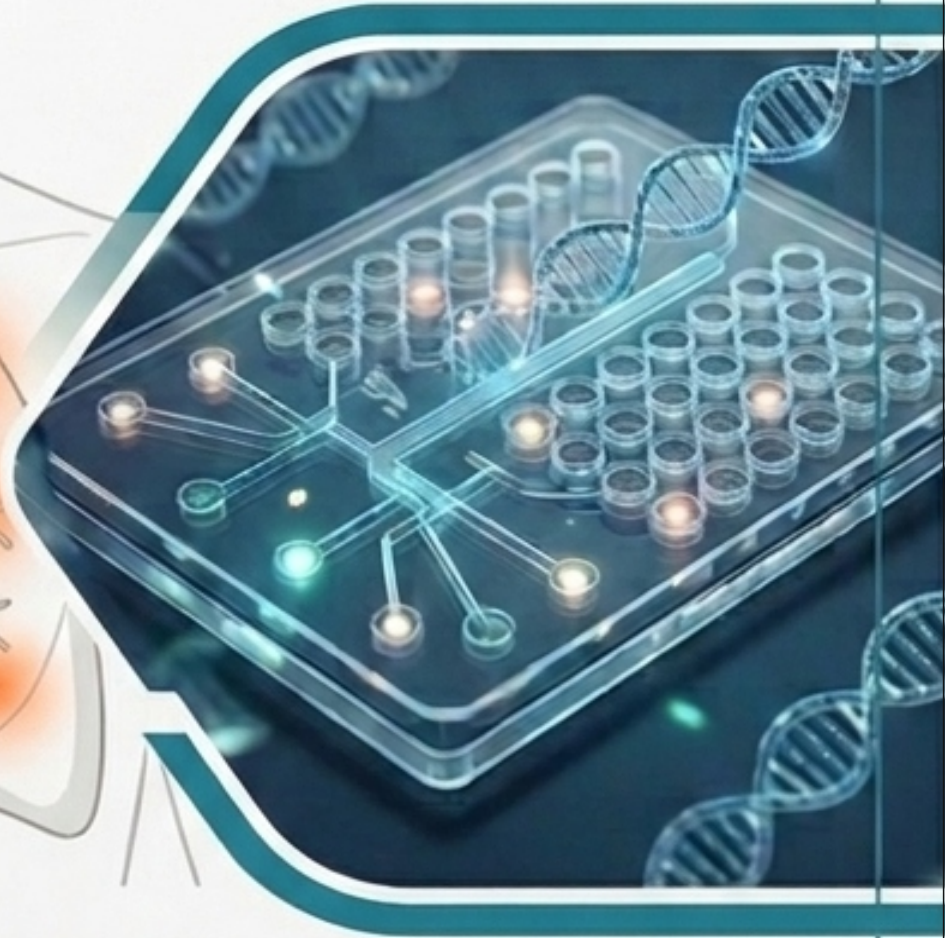




**Advance Respiratory Diagnostics
Empowering Public Health**



GenplexTM

**Comprehensive Respiratory
RT-PCR Multiplex Kit**

Partnering For Precise Diagnostics And A Healthier Future



Introducing Genplex[™] 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

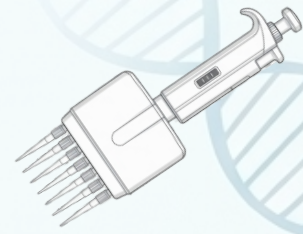
 HCoV-229E	 HCoV-NL63	 HCoV-OC43	 HCoV-HKU1
 Parainfluenza 1	 Parainfluenza 2	 Parainfluenza 3	 Parainfluenza 4
 Influenza A	 Human meta pneumo virus	 H3N2	 Enterovirus
 H1N1	 Rnase P	 Influenza B	 Influenza C
 Rhinovirus	 RSV A/B	 Bocavirus	 Adenovirus

Valid Sample Matrices

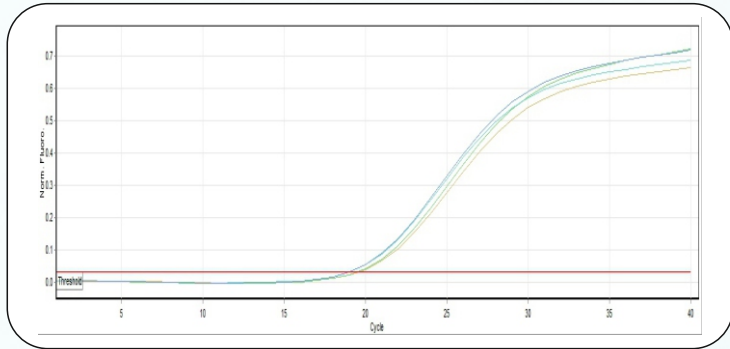


Validated for use with Human Respiratory Samples, Human respiratory samples, sputum, tracheal aspirate, throat swab, nasopharyngeal swab

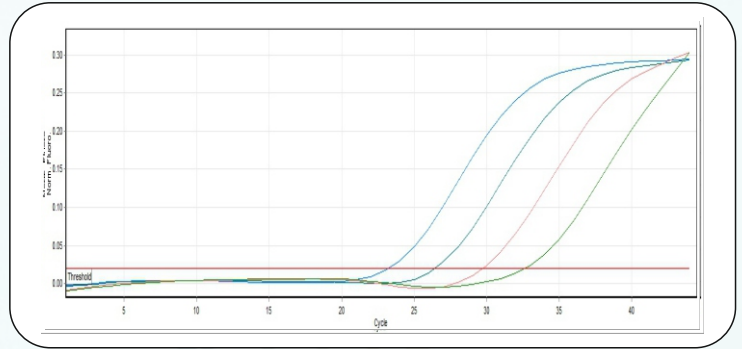
Genplex™



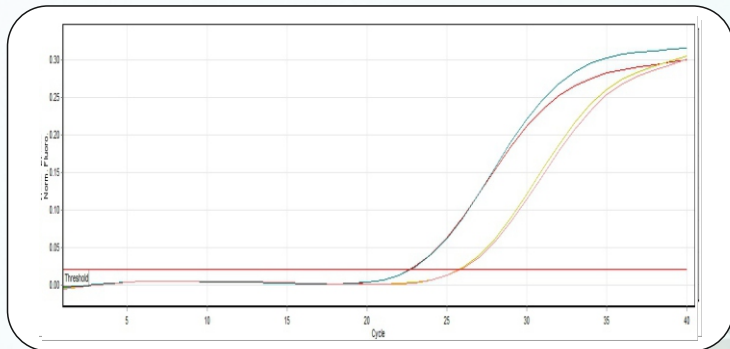
Comprehensive Respiratory RT-PCR Multiplex Kit



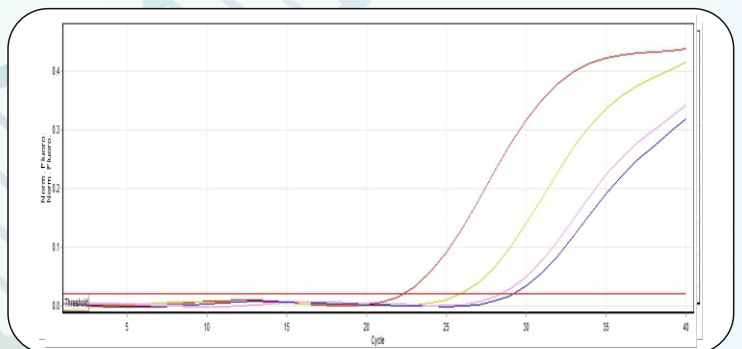
Tube 1: Parainfluenza 1, Parainfluenza 2, Parainfluenza 3, Parainfluenza 4



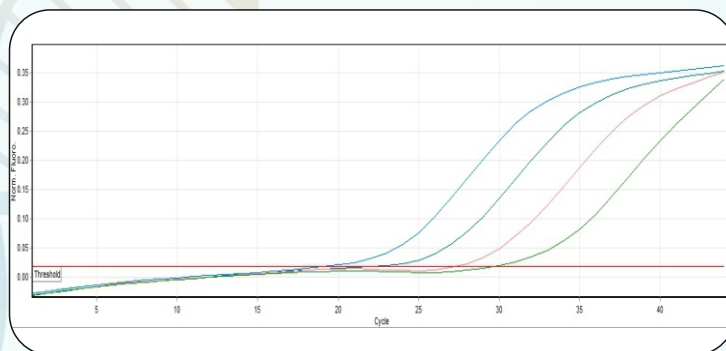
Tube 2: Influenza A, H3N2, Enterovirus, HMPV



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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