

PlexPlus®

New
Innovative
Technology

Next Generation PCR Multiplexing



- ▶ Maximize PCR output with **PlexPlus®** technology that detects twice the targets compared to conventional PCR.
- ▶ **PlexPlus®** technology is achieved through specialized temperature-dependent probes, with fluorescence acquired at two temperatures across multiple wavelengths in real time, enabling affordable detection with higher sample throughput.
- ▶ The inaugural product, RespiV **PlexPlus®**, simultaneously detects 14 respiratory viral targets in a single well, and clearly discriminates between rhinovirus and enterovirus — whilst utilizing existing standard qPCR instrumentation in laboratories.
- ▶ Formulated specifically for either 96- or 384-well PCR format, RespiV **PlexPlus®** kits meet your sample throughput needs.

speedxpcr.com

 **SpeedDx**



RespiV PlexPlus®*

One well. Double Detection.
More Targets.

DATASHEET

**96-well
or
384-well**

Assay Reagent

RespiV **PlexPlus**®* (Research Use Only)

Description

RespiV **PlexPlus**® is a 1-well, multiplex qPCR assay that amplifies nucleic acids of the following targets when present: influenza A virus (including H1N1 and H3N2 strains), influenza B virus (Yamagata and Victoria lineages), respiratory syncytial virus (subtypes A and B), severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), human adenovirus (species B and C), human parainfluenza virus (types 1 to 4), human metapneumovirus, rhinovirus (types A, B and C) and enterovirus (types A, B, C and D). This reagent includes an extraction/amplification internal control. The reagents are compatible with the Applied Biosystems® QuantStudio™ 5 and 7 real-time PCR systems.

The RespiV **PlexPlus**® kit is for research use only (RUO) and is not intended for use in diagnostic procedures.

Sample Extraction

Samples should be extracted as total nucleic acid.

Product Design

Well	Channel	52 °C Temperature 1	76 °C Temperature 2	qPCR cycling duration
1	1	Influenza B virus	SARS-CoV-2	~2 hours†
	2	Rhinovirus/enterovirus	Enterovirus	
	3	Influenza A virus	Human adenovirus (B/C)	
	4‡	Respiratory syncytial virus (A/B)	Human parainfluenza virus (1/2/3/4)	
	5	Human metapneumovirus		
	6‡	Internal control		

Instrument Compatibility

Extraction	Liquid Handling	Amplification
Magnetic bead-based	Lab self-validation	QuantStudio 5 and QuantStudio 7

Workflow Flexibility

Format	Pack Size	Reaction Volume	Cat #
96	100 reactions	20 µL	7300201
384	384 reactions	15 µL	7300204

Shipping & Storage

Shipping	Storage
Reagents — dry ice/ice packs	Store protected from light between -25°C to -15°C

‡Custom calibration required. Refer to the relevant QuantStudio platform system manual for calibration instructions. Contact tech@speedx.com.au for assistance.

†96-well format cycling time is two hours, and the 384-well cycling takes two hours and fifteen minutes

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