PlexPCR[®] RespiVirus^{*}

Two wells, 11 respiratory viruses

Increase productivity this flu season.

Highly multiplexed test offers workflow advantages to support influenza season surge

- Increase sample throughput compared with 3- or 4-well tests and run up to 1536 samples in 8 hours.
- Improve productivity with optional *PlexPrep* automation system, maximising instrument capacity and laboratory staff workflow.
- Free up senior laboratory staff with fast, reproducible data processing and automated results analysis.





Increase respiratory virus testing throughput 11 respiratory viruses in only 2 wells

Flexibility with 96- or 384-well options

- Improve efficiency and cost-effectiveness with PlexPrep automation
- > 384-well format: up to 1536 samples in 8 hrs with a single FTE§

Example of automation workflow



§ 1 x FTE, 4 x MP96, 2 x LC480II, 6 x **Plex**Prep, using 384-well format

‡ Time shown for 384-well set-up with 192 samples, time for 96-well set-up with 48 samples: 13 minutes

 Φ 10 μl reaction for 384-well set-up, 20 μl reaction for 96-well set-up

SpeeDx *PlexPrep*[™] automation solution

Automate your sample preparation and qPCR set-up with **SpeeDx Plex**Prep[™] pipetting robotics

- Compact system (63.5cm x 53.4cm, 38.5kg) with integrated touchscreen
- Compatible with 96- and 384-well plates
- Includes liquid level detection and monitored air displacement technology for accurate and reproducible performance

SpeeDx Analysis for **Plex**PCR[®] RespiVirus

SpeeDx Analysis software is included in contract pricing. Automate data processing and results interpretation for large numbers of samples simultaneously.

Speed up results processing and spend your time only on the few samples that require attention.

Automated plate set-up options for a streamlined workflow.

High security and GDPR compliant with LIS compatibility.

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		C2	19P510791 🦼	 PlexPCR RespiVirus (LC480) - RV1 	Ø	IC: 21.29											1	\square	-	
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Comprehensive coverage in a 2-well test

- Detect 11 clinically relevant viral respiratory pathogens plus RNA-based Internal Control.
- ▶ Increase the capacity of your qPCR instruments without compromising performance.^Ψ
- Validated with a broad range of samples: bronchoalveolar lavage, nasopharyngeal swabs, nasal swabs, throat swabs, tracheal aspirate.





PlexPCR® RespiVirus is a two-well multiplex qPCR test for the detection of 11 viral respiratory-illness causing pathogens plus RNA internal control.¹

Powered by proprietary *PlexPCR*[®] technologies demonstrating improved multiplex performance compared with other probe-based tests.²

Well	Channel	Target
	1	Influenza A (Flu A)
	2	Influenza B (Flu B)
1	3	Respiratory Syncytial Viruses A and B (RSV A and B)
	4	Rhinoviruses (RhV)
	5	Internal Control
	1	Human metapneumovirus (HMPV)
2	2	Adenoviruses B and C (AdV)
	3	Human parainfluenza viruses 1,2,3 and 4 (HPIV 1-4)

Validated with bronchoalveolar lavage, nasopharyngeal swabs, nasal swabs, throat swabs, tracheal aspirates.¹

Demonstrated clinical performance¹

	FLU A	FLU B	RSV	RhV	HMPV	AdV	HPIV
Sensitivity	94.1%	98.0%	94.6%	96.7%	100%	100%	100%
Specificity	99.7%	99.4%	100%	96.6%	98.8%	99.7%	99.6%

Flexible platform compatibility

Sample extraction platforms	Liquid handling platforms	qPCR platforms			
EasyMag (Biomerieux)	Plex Prep (SpeeDx)	LC480 96 well			
MagNA Pure 96 (Roche)	QIAgility (Qiagen)	LC480 II 384 well			

Increase lab productivity this flu season with **Plex**PCR RespiVirus

Product	Compatible	Size	Cat#
Plex PCR [®] RespiVirus [*]	LC480 II	100 reactions	1201001
ResistancePlus® RespiVirus Positive Control	All platforms	10 reactions	95003
PlexPCR [®] Colour Compensation	LC480 II	2 reactions	90001
Plex Prep [™] Automation Solution	MagNA Pure / LC480 II	1 unit	Enquire

References: 1. PlexPCR® RespiVirus Instructions for use. 2. Tan LY et al, PLOS ONE. 2017; 12(1): e0170087.

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Australia - SpeeDx Pty. Ltd.

+61 (0)2 9209 4170

sales@speedx.com.au

Suite G16, National Innovation Centre 4 Cornwallis Street, Sydney NSW 2015 Australia

Europe - SpeeDx Ltd.

+44 (0)333 577 5210

sales.uk@speedx.com.au

Acre House 11/15 William Road London NW1 3ER United Kingdom



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