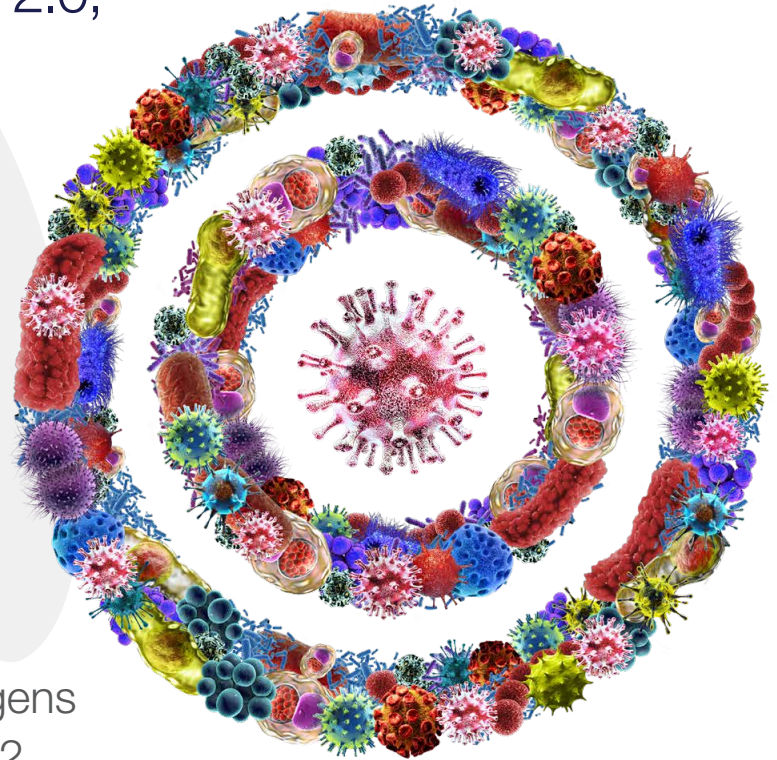


TrueMark Respiratory Panel 2.0, OpenArray plate



Target even more respiratory pathogens
at once—now including SARS-CoV-2

Upper and lower respiratory tract infections are caused by a broad range of microbes—including RNA and DNA viruses and bacteria—and yet are often symptomatically similar. Coinfections are a growing concern that require broad and effective pathogen detection, yet traditional detection methods, such as immunoassays and culture-based approaches, have limitations. While molecular testing is more sensitive, most commercially available tests are expensive.

The Applied Biosystems™ TrueMark™ Respiratory Panel 2.0, OpenArray™ plate is a sensitive, syndromic panel-based real-time PCR solution for the detection of respiratory pathogens. Now with two assays that target SARS-CoV-2, this panel features flexible throughput capabilities at the lowest cost per sample to help you identify key respiratory infections and study SARS-CoV-2 coinfections quickly and cost-effectively.

Key features:

- **Extensive coverage including SARS-CoV-2 targets**—with verified assays for 32 pathogens, our solution features the ability to run up to 24 samples per plate
- **Cost-effective**—lowest cost per sample when compared with other commercially available molecular solutions
- **Multiple sample input types**—including nasopharyngeal (NP) swabs, bronchoalveolar lavage (BAL), and nasal aspirate

The TrueMark Respiratory Panel 2.0, OpenArray plate

Optimized for use on the Applied Biosystems™ QuantStudio™ 12K Flex Real-Time PCR System with OpenArray block

TrueMark Respiratory Panel 2.0, OpenArray plate

Feature	Specification
No. of wells	3,072
No. of targets	32 respiratory plus 3 control (Xeno, RNase P, <i>Bacillus atropheus</i>)
No. of samples	Up to 24 samples per plate (spotted in triplicate)
Master mix volume	120 µL per OpenArray plate
Reaction volume	33 nL
Samples/day	Up to 288
Compatible instrument	QuantStudio 12K Flex Real-Time PCR System with OpenArray block
Time-to-results	5 hours

Verified assays for 32 pathogens are preloaded on the TrueMark Respiratory Panel 2.0, OpenArray plate

Pathogen type	Target pathogen
Bacterial	<i>Bordetella</i>
	<i>Bordetella pertussis</i>
	<i>Chlamydomphila pneumoniae</i>
	<i>Haemophilus influenzae</i>
	<i>Klebsiella pneumoniae</i> complex
	<i>Legionella pneumophila</i>
	<i>Mycoplasma pneumoniae</i>
	<i>Staphylococcus aureus</i>
Viral	<i>Streptococcus pneumoniae</i>
	Adenovirus
	HHV4 (Epstein-Barr virus)
	HHV5 (cytomegalovirus)
	Human coronavirus 229E
	Human coronavirus HKU1
Human coronavirus NL63	
Human coronavirus OC43	

Verified assays for 32 pathogens are preloaded on the TrueMark Respiratory Panel 2.0, OpenArray plate (continued)

Pathogen type	Target pathogen
Viral	Human enterovirus
	Human enterovirus D68
	Human herpesvirus 6 (HHV-6)
	Human metapneumovirus (hMPV)
	Human parainfluenza virus 1
	Human parainfluenza virus 2
	Human parainfluenza virus 3
	Human parainfluenza virus 4
	Influenza A (pan)
	Influenza A/H1-2009
	Influenza A/H3
	Influenza B
	Respiratory syncytial virus A (RSV A)
	Respiratory syncytial virus B (RSV B)
	Rhinovirus
SARS-CoV-2 (S and N gene)	

Ordering information

Product	Quantity	Cat. No.
TrueMark Respiratory Panel 2.0, OpenArray Plate	1 plate	A49044
TrueMark Respiratory Panel 2.0 PreAmp Primers	1 mL	A49049
TrueMark Respiratory Panel 2.0 Amplification Control	250 µL	A48101

Explore our complete menu of pathogen detection solutions at thermofisher.com/pathogendetection

Find out more about the TrueMark Respiratory Panel 2.0 at thermofisher.com/respiratorypanel