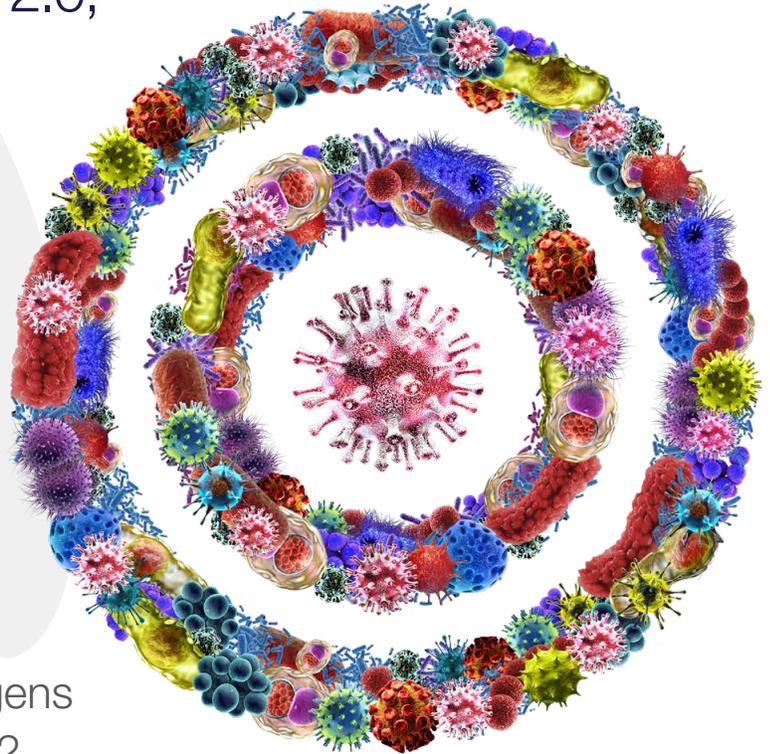


TrueMark Respiratory Panel 2.0, TaqMan Array Card



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, bacteria, and even fungi—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 and primarily focus on either viruses or bacteria.

The Applied Biosystems™ TrueMark™ Respiratory Panel 2.0, TaqMan® Array Card is a sensitive, syndromic panel-based real-time PCR solution for the detection of respiratory pathogens. Now with SARS-CoV-2 targets, this panel features the most markers of pathogenic organisms of any test on the market 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 41 pathogens, our solution features the largest number of respiratory pathogen targets of any test on the market
- **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, TaqMan Array Card

Optimized for use on Applied Biosystems™ QuantStudio™ real-time PCR systems with a TaqMan Array Card block

TrueMark Respiratory Panel 2.0, TaqMan Array Card

Feature	Specification
No. of wells	384
No. of targets	41 respiratory plus 4 control (Xeno, 18S, RNase P, and <i>Bacillus atrophaeus</i>)
No. of samples	8
Master mix volume	420 µL per TaqMan Array Card (384 reactions)
Reaction volume	1 µL
Samples/day	Up to 64
Compatible instruments	QuantStudio 7 Pro, QuantStudio 7 Flex, and QuantStudio 12 Flex systems with a TaqMan Array Card block
Time-to-results	5 hours

Verified assays for 41 pathogens are preloaded on the TrueMark Respiratory Panel 2.0, TaqMan Array Card

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>Moraxella catarrhalis</i>
	<i>Mycoplasma pneumoniae</i>
	<i>Staphylococcus aureus</i>
	<i>Streptococcus pneumoniae</i>
Fungal	<i>Pneumocystis jirovecii</i>
Viral	Adenovirus
	Bocavirus
	Coronavirus 229E
	Coronavirus HKU1
	Coronavirus NL63
	Coronavirus OC43
	Enterovirus
	Enterovirus D68

Verified assays for 41 pathogens are preloaded on the TrueMark Respiratory Panel 2.0, TaqMan Array Card (continued)

Pathogen type	Target pathogen
Viral	Human herpesvirus 6 (HHV-6)
	HHV3 (varicella zoster virus)
	HHV4 (Epstein-Barr virus)
	HHV5 (cytomegalovirus)
	Human metapneumovirus (hMPV)
	Influenza A (pan)
	Influenza A/H1-2009
	Influenza A/H3
	Influenza B
	Measles virus
	MERS-CoV
	Mumps virus
	Parainfluenza virus 1
	Parainfluenza virus 2
	Parainfluenza virus 3
	Parainfluenza virus 4
	Parechovirus
	Respiratory syncytial virus A (RSV A)
	Respiratory syncytial virus B (RSV B)
	Rhinovirus
SARS-CoV (SARS)	
SARS-CoV-2 (S and N gene)	

Ordering information

Product	Quantity	Cat. No.
TrueMark Respiratory Panel 2.0, TaqMan Array Card	1 card	A49047
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