

A 3D digital illustration of a human respiratory tract, including the trachea and bronchi, rendered in a translucent blue and green color scheme. A single, detailed virus particle with a spherical body and radiating spikes is positioned in the center of the airway. The background is a dark gradient, making the anatomical structures stand out.

# Respiratory Pathogens

## Respiratory pathogens detection by molecular methods

Molecular methods are becoming the gold standard for the detection of respiratory pathogens because of their superior sensitivity, rapid turnaround time, simplicity and ability to identify pathogens that are slow growing or difficult to culture.

Another advantage is their capability to detect viruses, bacteria, protozoa and yeasts in one go, providing great benefits for differential diagnosis.

# Respiratory Pathogens

## Upper Respiratory

UPPER RESPIRATORY PATHOGENS
Influenza A
Influenza A Typing H1/H3
Influenza B
RSV A & B
PIV 1, 2, 3, 4
AdV groups B, C, E partly A, D
Coronaviruses
RV & EV
Enterovirus (EV)
Parechovirus
MPV A & B
Mycoplasma pneumoniae
Bordetella pertussis & holmesii (IS481)

16 well <sup>384</sup>HP <sup>REF</sup>20616

RESPIRATORY VIRUSES
Influenza A
Influenza A Typing H1 / H3
Influenza B
RSV A & B
PIV 1, 2, 3, 4
AdV (groups B, C, E some A, D)
RV & EV
Enterovirus (EV)
MPV A & B
Parechovirus
CoV (229E, HKU-1, NL63, OC43)
Bocavirus

16 well <sup>384</sup>HP <sup>REF</sup>20602

RESPIRATORY VIRUSES
Influenza A
Influenza B
RSV A & B
PIV 1, 2, 3
AdV (groups B,C,E partly A,D)
RV & EV
MPV A & B

8 well <sup>384</sup>HP <sup>REF</sup>20614 <sup>384</sup>UP <sup>REF</sup>80614

## Lower Respiratory

PNEUMONIA
Mycoplasma pneumoniae
Chlamydomphila pneumonia
Chlamydia psittaci
Legionella pneumophila & longbeache
Bordetella pertussis & holmesii (IS481)
Haemophilus
Streptococcus pneumoniae
Staphylococcus aureus
Coxiella burnetti
MBT
Cryptococcus neoformans
Pneumocystis jirovicii (PCP)
Aspergillus fumigatus complex

16 well <sup>384</sup>HP <sup>REF</sup>20631

ATYPICAL PNEUMONIA
Mycoplasma pneumoniae
Chlamydomphila pneumonia
Chlamydia psittaci
Legionella pneumophila & longbeache
Cryptococcus neoformans
Pneumocystis jirovicii (PCP)

8 well <sup>384</sup>HP <sup>REF</sup>20632 <sup>384</sup>UP <sup>REF</sup>80632

All products except *Respiratory viruses (8-well)* also contain Human reference gene (sample adequacy control) and artificial sequence for assay control (internal control and extraction control). *Respiratory Viruses (8-well)* has only artificial sequence for assay control

# Smart combos

## Combinations

RESPIRATORY PATHOGENS B
Influenza A
Influenza A Typing H1 / H3
Influenza B
RSV A & B
PIV 1, 2, 3
PIV4
AdV (groups B, C, E some A, D)
RV & EV
MPV A & B
Mycoplasma pneumoniae
Chlamydiae
Legionella pneumophila & longbeache
Bordetella pertussis & holmesii (IS481)
Bordetella parapertussis

16 well 384 HP REF 20612

INFLUENZA, RSV & BORDETELLA
Influenza A
Influenza A Typing H1 / H3
Influenza B
RSV A & B
Bordetella pertussis & holmesii (IS481)
Bordetella parapertussis

8 well 384 HP REF 20615

CHILD COUGH
Bordetella pertussis & Bordetella spp. (IS481)
Mycoplasma pneumoniae
RV & EV
Enterovirus (EV)
Parechovirus

8 well 384 HP REF 20691

## Complete Coverage

RESPIRATORY VIRUSES REF20602
PNEUMONIA REF20631

## Basic Coverage

RESPIRATORY VIRUSES, REF20614
ATYPICAL PNEUMONIA REF20632

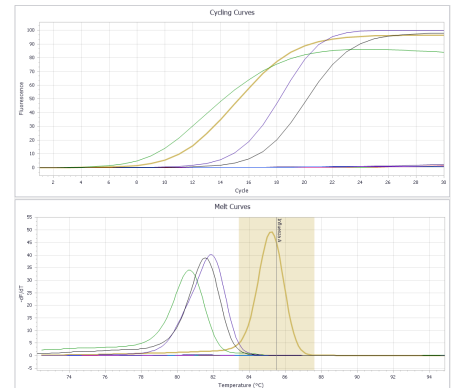
## Medium Coverage

UPPER RESPIRATORY REF20616
ATYPICAL PNEUMONIA REF20632

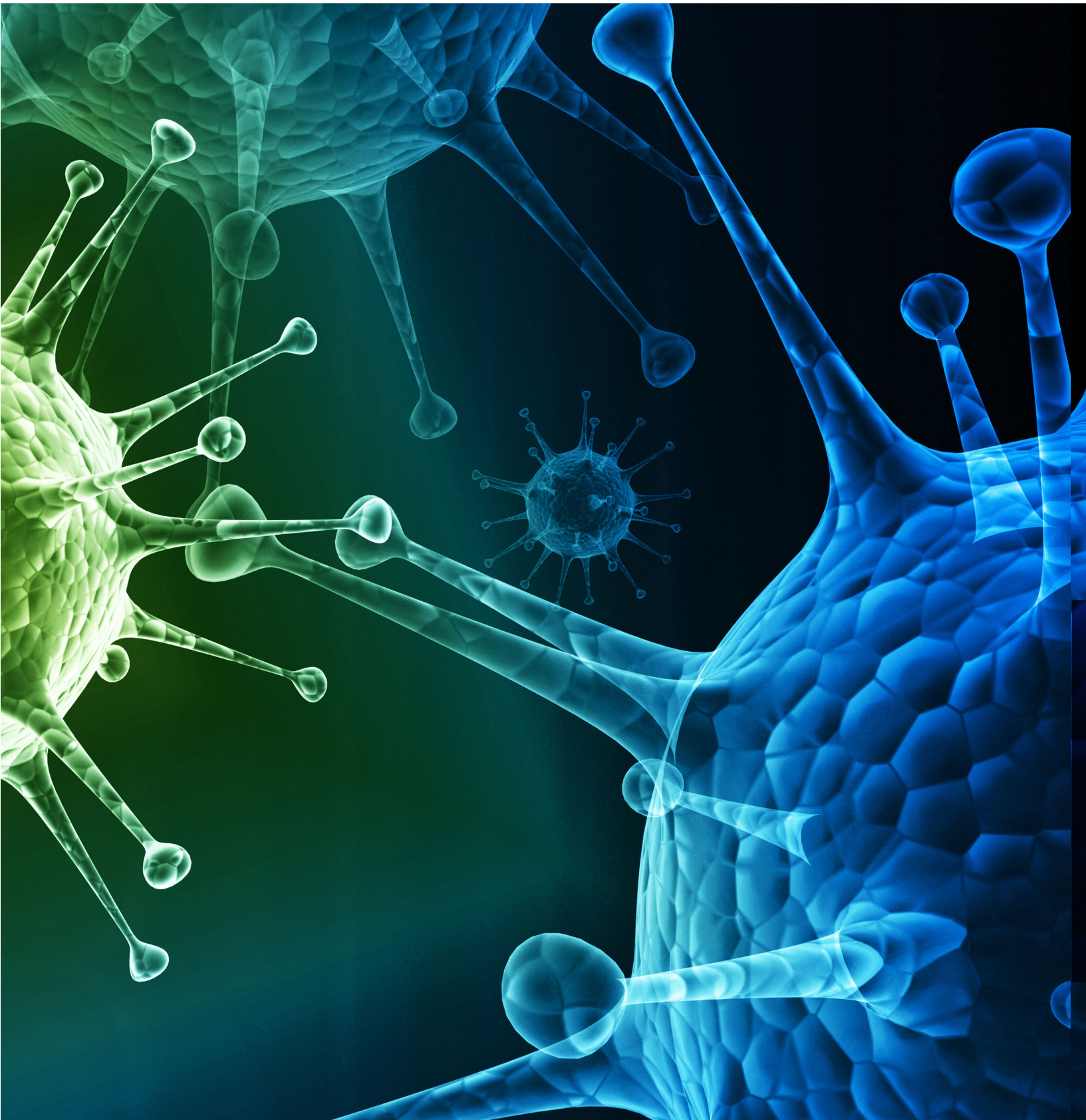
## Results example—Respiratory Pathogens

### Results

No.	Sample	Gene	Call	Concentration
A11	M944029	Influenza A	Present (100%)	671,925
B11	M944029	Flu typing	Present (H3)	2,461,729
C11	M944029	Influenza B		
D11	M944029	RSV		
E11	M944029	RV/EV		
F11	M944029	hPIV1		
G11	M944029	hPIV2		
H11	M944029	hPIV3		
I11	M944029	hPIV4		
J11	M944029	hAdv		
K11	M944029	hMPV		
L11	M944029	Bordetella		
M11	M944029	B.pertussis		
N11	M944029	M.pneumoniae		
O11	M944029	NONO	Present	29,998
P11	M944029	SPIKE	Present	10,000







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