

Comprehensive Detection of Respiratory Pathogens

- ❑ Vast majority of viruses causing respiratory tract infections
- ❑ Influenza A with H1/H3 typing
- ❑ New CoV-2019 included
- ❑ Detects rare viruses highly relevant to paediatrics: parechovirus and enterovirus
- ❑ Broad spectrum of atypical pneumonia bacteria
- ❑ Options for Bordetella detection
- ❑ Ready-to-use reagents
- ❑ Automated process and results calling
- ❑ Barcode traceability and LIMS compatibility
- ❑ Minimum hands-on time
- ❑ CE-IVD

Respiratory Viruses

Detects 13 viruses. 24 samples per run on High-Plex system

16 well 384 HP REF 20616 CE IVD

PANEL TARGETS

Influenza A (H1, H3, H5, H7) Influenza A typing H1 & H3 Influenza B Respiratory syncytial virus A & B	Rhinovirus and enterovirus Parainfluenza 1-4 Metapneumovirus Adenovirus	Coronavirus (OC43, 229E, HKU1 & NL63) Parechovirus Bocavirus
----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	--------------------------------------------------------------------

Respiratory Pathogens C

Detects 10 viruses and 2 bacteria. 24 samples per run on High-Plex system

16 well 384 HP REF 80613 CE IVD

PANEL TARGETS

Influenza A (H1, H3, H5, H7) Influenza A typing H1 & H3 Influenza B Respiratory syncytial virus A & B	Rhinovirus and enterovirus Parainfluenza 1-4 Metapneumovirus Adenovirus	Bordetella spp Bordetella pertussis Mycoplasma pneumoniae
----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------	-----------------------------------------------------------------

Respiratory Pathogens

14 viruses, 6 bacteria, 1 parasite. 16 samples per run on High-Plex or 48 samples - on Ultra-Plex system

24 well 384 UN REF 80617 CE IVD

PANEL TARGETS

Influenza A (H1, H3, H5, H7) Influenza A typing H1 & H3 Influenza B Respiratory syncytial virus A & B Rhinovirus and enterovirus Parainfluenza 1-4	Metapneumovirus Adenovirus Coronavirus (OC43, 229E, HKU1 & NL63) CoVid-2019 (SARS-CoV2) Parechovirus Bocavirus	Bordetella spp. Bordetella pertussis & parapertussis Mycoplasma pneumoniae Chlamydiaceae Legionella pneumophila & longbeache PCP (P. jirovecii)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

RESPIRATORY PATHOGENS PANELS

Respiratory Pathogens (24-well). Universal. Ref 80617

Respiratory Pathogens C (16-well). High-Plex™. Ref 20613

Upper Respiratory Pathogens (16-well). High-Plex™. Ref 20616

Respiratory Pathogens B (16-well). High-Plex™. Ref 20612

Respiratory Viruses (16-well). High-Plex™. Ref 20602

Respiratory Pathogens (12-well). Universal. Ref 80618

Child cough (8-well). High-Plex™. Ref 20691

Influenza, RSV and Bordetella (8-well). High-Plex™. Ref 20615

Respiratory Viruses (8-well). Universal. Ref 80614

Target	Inclusivity	Wells per sample:									
		8	8	8	12	16	16	16	16	24	
Influenza A	Segment 2 of the fluA genome, H1, H3, H5 and H7	●	●		●	●	●	●	●	●	●
fluA H1	H1 pdm09, Influenza A serotype pdH1N1		●			●		●	●	●	●
fluA H3	Influenza A serotype H3, all strains		●			●		●	●	●	●
fluA H5	Influenza serotype H5										●
Influenza B	Includes Yamagata and Victoria lineages	●	●		●	●	●	●	●	●	●
RSV	Human Respiratory Syncytial virus, all type A and B strains	●	●		●	●	●	●	●	●	●
RV/EV	Rhinovirus (types A, B and C) and enterovirus (types A, B, C and D)	●		●	●	●	●	●	●	●	●
EV	Enterovirus types A, B, C and D only, excludes Rhinovirus			●		●		●			●
hBoV	Human bocavirus 1					●					●
hPIV-1,2,3	Human parainfluenza virus 1-3	●			●	●		●			●
hPIV-1	Human parainfluenza virus 1							●		●	
hPIV-2	Human parainfluenza virus 2							●		●	
hPIV-3	Human parainfluenza virus 3							●		●	
hPIV-4	Human parainfluenza virus 4				●	●		●	●	●	●
Parechovirus	Human parechovirus types 1-8			●		●		●			●
hAdv	Adenovirus group B C and E and some A, D; excludes hAdv 21	●			●	●	●	●	●	●	●
Coronavirus (seasonal)	Coronavirus 229, OC43, NL63, and HKU1					●		●			●
CoVid-2019	Predicted to detect all variants of new Coronavirus 2019 (SARS-CoV2)										●
hMPV	Human metapneumovirus, includes all type A and B strains	●			●	●	●	●	●	●	●
Bordetella spp.	Bordetella spp. (IS481), includes B. pertussis, B. holmesii and a small subset of B. bronchiseptica		●	●	●		●	●	●	●	●
Bordetella pertussis	Bordetella pertussis			●						●	●
Bordetella parapertussis	B. parapertussis insertion element IS1001, Bordetella parapertussis and B. bronchiseptica		●					●			
Legionella pneumophila	Legionella pneumophila (all serotypes)							●			●
Legionella longbeachae	Legionella longbeachae (all strains) differentiated							●			●
Mycoplasma pneumoniae	Mycoplasma pneumoniae, includes types 1, 2 and their variants			●	●		●	●	●	●	●
Chlamydiaceae	Pan-Chlamydiaceae, including C.pneumoniae, C.psitacci and C.trachomatis							●			●
Pneumocystis jirovecii	Pneumocystis jirovecii (PCP) all strains										●
NONO	Human reference gene (sample adequacy)		●	●	●	●	●	●	●	●	●
SPIKE	Artificial sequence for assay internal control	●	●	●	●	●	●	●	●	●	●

CONTROLS AVAILABLE

Internal reaction control
Sample adequacy control (Human gene)

Extraction control*
Synthetic positive control*

* optional