

Respiratory Flow Chip identifies the **main infectious agents causing acute respiratory diseases, including SARS-CoV-2**



- ✓ Purified DNA+RNA from:
- ✓ bronchoalveolar lavage
- ✓ nasopharyngeal swabs

Organism

Influenza virus A

Influenza virus A H1N1 2009

Influenza virus A H3

Influenza virus B

Human metapneumovirus

Respiratory syncytial virus A

Respiratory syncytial virus B

Rhinovirus

Enterovirus

Human parainfluenza virus type 1

Human parainfluenza virus type 2

Human parainfluenza virus type 3

Human parainfluenza virus type 4

Adenovirus

Bocavirus

Human coronavirus 229E

Human coronavirus HKU1

Human coronavirus OC43

B	FluA	PIV-1	CoV-OC43		RNaseP	RSV-A	B	
B	FluA-H1N1	PIV-2	BP		BG	RSV-B	CoV-229E	
CI-1	FluA-H3	PIV-3	BPP			RhV	CoV-HKU1	
CI-2	FluB	PIV-4	MP			PIV-1	CoV-NL63	
RNaseP	MPV	AdV	EV	B	FluA	PIV-2	BPP	
BG	RSV-A	Bov	CoV-2	CI-1	FluA-H1N1	PIV-3	MP	
	RSV-B	CoV-229E	SARS	CI-2	FluA-H3	PIV-4	EV	
	RhV	CoV-HKU1		CoV-OC43	FluB	AdV	CoV-2	
	B	CoV-NL63		BP	MPV	Bov	SARS	

Organism

Human coronavirus NL63

Bordetella pertussis

Bordetella parapertussis

Mycoplasma pneumoniae

Human coronavirus SARS-CoV-2
