maripoc Respi

Influenza A virus
H1N1v, H1N1, H3N2, H5N1
H7N9, H2N2, H9N2, H7N3

Influenza B virus

Respiratory syncytial virus A&B

Human metapneumovirus A&B

Parainfluenza virus 1

Parainfluenza virus 2

Parainfluenza virus 3

Human bocavirus

Coronavirus OC43

Adenovirus

Streptococcus pneumoniae

mariPOC® respi covers 11 pathogens that cause influenza-like illnesses.

The test is performed from either a nasopharyngeal swab or an aspirate sample.

Result reporting:

20 min   Positives
2 h   Low positives and negatives

Cut swab into
a mariPOC® tube

Add sample buffer
and vortex

Insert sample tube
into analyzer for
automated analysis

Performance

mariPOC® respi compared to PCR	Sensitivity	Specificity	N
Influenza A virus	92.3%	99.8%	899
Influenza B virus	88%	100%	192
Respiratory syncytial virus	89%	100%	158
Human metapneumovirus	78%	100%	74
Human bocavirus (mRNA)	76.5%	100%	632
Coronavirus OC43	NA	99.4%	160
Immunochromatography			
Influenza A virus	> 100%	100%	198
Influenza B virus	100%	100%	198
Respiratory syncytial virus	> 100%	100%	198
Adenovirus	100%	100%	198
TR-FIA			
Parainfluenza virus 1	Similar	100%	55
Parainfluenza virus 2	Similar	99%	55
Parainfluenza virus 3	Similar	100%	55

Thomas E. et al. 29th ECCMID 2019, Amsterdam, Netherlands. Abstract and poster #P0114.
Sanbonmatsu-Gámez S. et al. (2015) Diagn Microbiol Infect Dis. 83:252-256.
Ivaska L. et al. (2013) J Clin Virol. 57:136-140.

Why a multianalyte pathogen specific test?

- Distinguish bacterial and viral infections
- Optimize the use of antibiotics and antiviral drugs
- Prescribe antivirals for influenza patients without delay
- Predict the clinical course and duration of the disease
- Utilize epidemiological surveillance for infection control
- Cohort inpatients accurately

mariCloud™ data
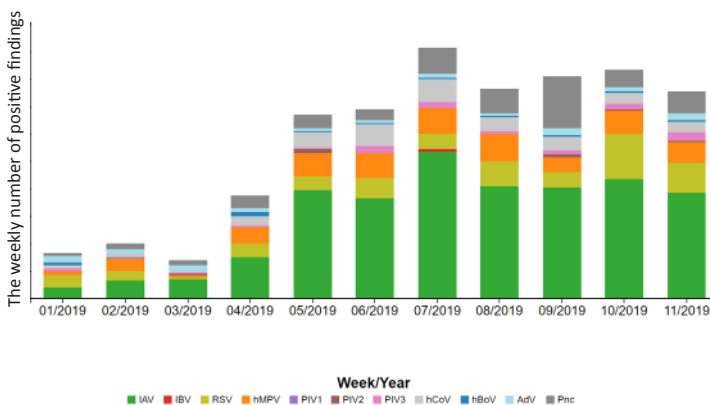
Multiple different viruses circulate at the same time as influenza viruses!

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