



Respi+

Broad test panel for syndromic testing

mariPOC® Respi+ is a multianalyte test panel for syndromic testing of acute respiratory tract infection pathogens on automated mariPOC analyser. The Respi+ test covers 11 pathogens causing similar respiratory symptoms as influenza and COVID-19.

Pathogen coverage

- SARS coronavirus 2
- Influenza A virus
 - H1N1v, H1N1, H3N2, H5N1
 - H7N9, H2N2, H9N2, H7N3
- Influenza B virus
- Respiratory syncytial virus
- Human metapneumovirus
- Parainfluenza virus 1
- Parainfluenza virus 2
- Parainfluenza virus 3
- Coronavirus OC43
- Adenovirus
- Streptococcus pneumoniae*

Time to result

20 min	Positives
2 h	Low positives and negatives

*Negative results confirmed in 2 hours

Simple Workflow



Nasopharyngeal swab or aspirate sample



1 min sample handling



Fully automated analysis



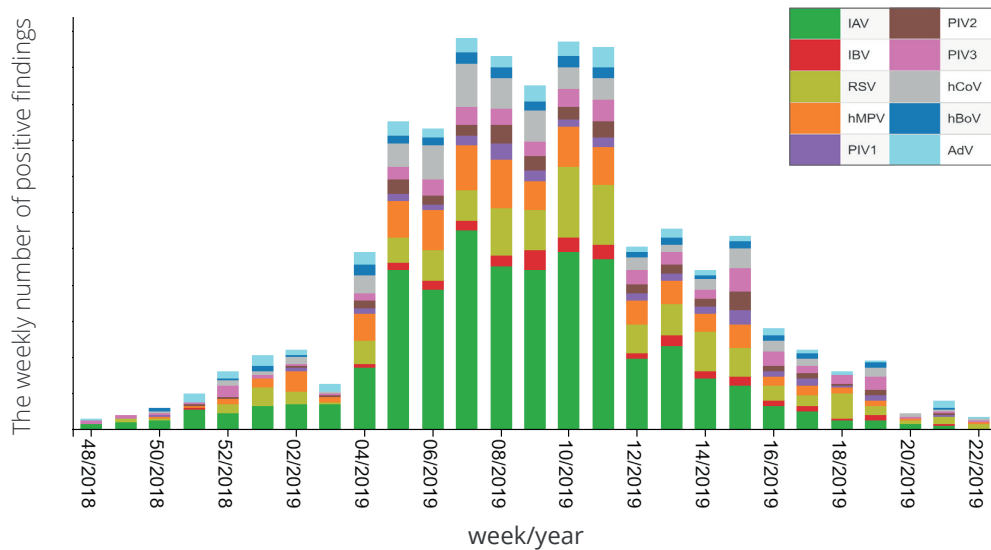
Most positive results in 20 min*

Why a multianalyte pathogen test?

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

mariCloud™ data

Multiple viruses circulate simultaneously during COVID-19 and influenza seasons.



Performance

Analyte	Sensitivity (N)	Specificity (N)	Reference test
SARS coronavirus 2	Study 1: PCR Ct < 30: 100% (18/18) PCR Ct < 33: 90% (18/20) Study 2: PCR Ct < 28: 100% (31/31) PCR Ct < 30: 91.9% (34/37) PCR Ct < 34: 84.4% (38/45)	100 % (201/201)	PCR
Influenza A virus	92.3% (24/26)	99.8% (870/872)	PCR
Influenza B virus	87.5% (35/40)	100% (152/152)	PCR
Respiratory syncytial virus	88.6% (31/35)	100% (123/123)	PCR
Human metapneumovirus	77.8% (7/9)	100% (195/195)	PCR
Parainfluenza virus 1	Similar	99% (198/200)	for sensitivity: TR-FIA for specificity: PCR
Parainfluenza virus 2	Similar	99% (198/200)	for sensitivity: TR-FIA for specificity: PCR
Parainfluenza virus 3	Similar	99% (200/202)	for sensitivity: TR-FIA for specificity: PCR
Coronavirus OC43	NA	99.4% (159/160)	PCR
Adenovirus	92.3% (24/26)	100% (200/200)	for sensitivity: TR-FIA for specificity: PCR
<i>Streptococcus pneumoniae</i>	Similar	No cross-reactions	for sensitivity: Binax Now® rapid test