



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*

Simple Workflow



Nasopharyngeal swab or aspirate sample



1 min sample handling



Fully automated analysis



Most positive results in 20 min*

Time to result

| | | |
|-------------|--------|-----------------------------|
| Preliminary | 20 min | Positives |
| Final | 2 h | Low positives and negatives |

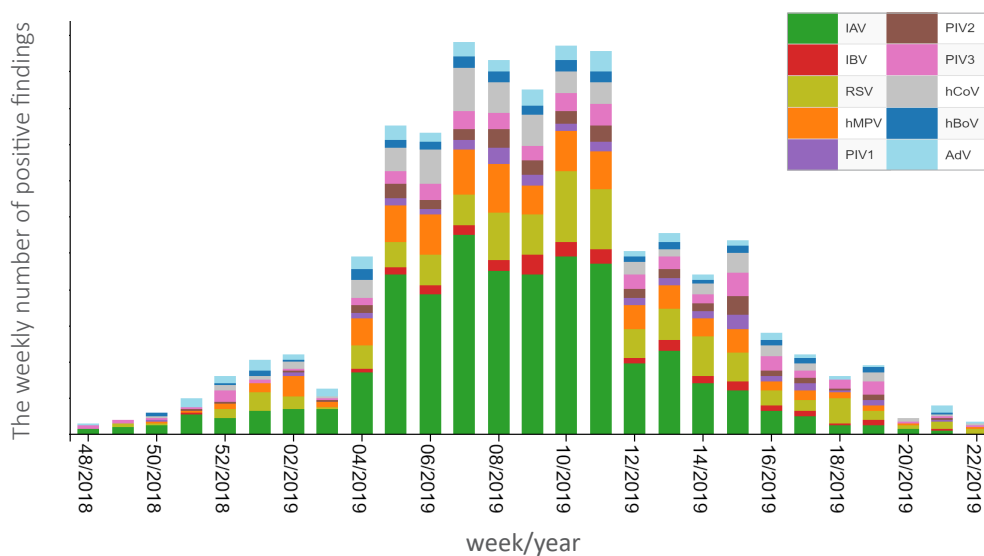
*Negative results confirmed in 2 hours

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% (13/13) 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 |