



Rapid Diagnosis of Respiratory Viral Infections

RVP

Respiratory Viral Panel by RT-PCR

GA Test Code #1201

Note: FDA-approved xTAG™ RVP from Luminex Corp.

1 Patient Sample => 12 Detections

Accounting for 85-90% of respiratory viral infections, the RVP detects and identifies the following viruses and viral subtypes:

- **Influenza A, H1N1 v. H1 v. H3** - only test to differentiate the 3 known subtypes in circulation
- **Influenza B** - typically less severe than influenza A
- **Rhinovirus** - a very common viral infective agent that is more serious than believed
- **Parainfluenza 1, 2, and 3** - leading factors in the croup, common cold, and bronchitis
- **hMPV** (human metapneumovirus) discovered in 2001, it causes significant respiratory infections
- **RSV A and B** - main causes of pediatric pneumonia and bronchiolitis
- **Adenovirus** - causes respiratory tract infections similar to strep throat or tonsilitis

Clinical benefits of RVP:

- Differentiate influenza A subtypes (2009 H1N1 v. H1 v. H3) to determine most effective antiviral therapy
- Identify or rule out viral infection for high-risk patients and those exposed to high-risk individuals
- Reduce unnecessary overuse of antibacterials (and eliminate development of multi-drug resistant organisms)
- Community Surveillance: know what viruses are circulating in the community
- Identify co-infection that could be masked by primary infection

Test Runs: M, W, F with results reported within 6-7 hours (additional days TBD based on demand)

H1N1

Influenza A and 2009 A/H1N1 by rRT-PCR

GA Test Code #8191

Note: test created in accordance with CDC protocol

1 Patient Sample => 2 Detections

Flu A: *Detected or Not Detected* (test for all known subtypes of influenza A)

2009 H1N1: *Detected or Not Detected* (test for novel H1N1 only)

Benefits of testing for influenza A/H1N1 by rRT-PCR:

- Confirm diagnosis for high-risk patients susceptible to severe complications (e.g. heart disease, pregnant, immunosuppressed, asthmatic, diabetic)
- Reduce health care costs by ruling out H1N1 for patients in isolation
- Lessen impact on community by limiting work/school absenteeism for non-H1N1 cases
- 99.3% Sensitivity: detect significantly more cases of H1N1 with rRT-PCR than with rapid flu tests, which only catch 10-70% of novel H1N1 cases, according to CDC findings

Test Runs: 5 days a week (Mon – Fri) with results reported within 4-6 hours

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