

# FACT SHEET

**Respiratory PCR Panel (RP)**

**Test 6310**

**CPT code: 87633**

## Test Description

The County of San Luis Obispo Public Health Laboratory (SLOPHL) performs a molecular amplification test to detect a broad array of respiratory viruses and bacteria using a multiplex real-time Polymerase Chain Reaction (PCR) method with duplicate microarray targets.

PCR is a rapid and sensitive detection method, allowing specific identification of the infective agents and the detection of multiple/co-infecting viruses. Rapid diagnosis allows for the prompt initiation of antiviral drugs and proper antibiotic stewardship, decreasing hospital stay and charges. Identifying the cause of an outbreak in an institutional setting enables the use of correct interventions and early control of transmission.

## Agents Detected by the Respiratory PCR Panel

Viruses	Viruses	Bacteria
<ul style="list-style-type: none"><li>• Adenovirus</li><li>• Coronavirus SARS-CoV-2 (COVID-19)</li><li>• Coronavirus 229E</li><li>• Coronavirus HKU1</li><li>• Coronavirus NL63</li><li>• Coronavirus OC43</li><li>• Human Metapneumovirus (hMPV)</li><li>• Human Rhinovirus/Enterovirus</li><li>• Respiratory Syncytial Virus (RSV)</li></ul>	<ul style="list-style-type: none"><li>• Influenza Virus A* <b>*Includes the current circulating seasonal subtypes H1 and H3</b></li><li>• Influenza B</li><li>• Parainfluenza 1</li><li>• Parainfluenza 2</li><li>• Parainfluenza 3</li><li>• Parainfluenza 4</li></ul>	<ul style="list-style-type: none"><li>• Bordetella pertussis</li><li>• Bordetella parapertussis</li><li>• Chlamydia pneumoniae</li><li>• Mycoplasma pneumoniae</li></ul>

## Sensitivity

Sensitivity for detection varies according to the agent detected from 87.4% to 100%.

## Specificity

Specificity for all viruses varies from 86.8% to 100%.

## Specimens:

Collect a nasopharyngeal swab and immediately place in viral transport media (VTM). M4 is preferred, however other VTM is acceptable. If storage is required, specimens in VTM can be held at room temperature (18-30°C) for up to 4 hours, 3 days at refrigerator temperature (2-8°), or up to 30 days at freezer temperature (≤-15°C).



**County of San Luis Obispo Public Health Laboratory**

**2191 Johnson Avenue, San Luis Obispo, CA 93401**

**Phone: (805) 781-5507 Fax: (805) 781-1023**

**[www.sloPublicHealth.org/lab](http://www.sloPublicHealth.org/lab)**

**Laboratory Hours: Monday – Friday, 8:00am – 5:00pm**