



# RVBP

## Respiratory Panel w/ SARS-CoV-2

**GA Test Code** 2019  
**Method** Reverse Transcriptase - Real-Time Polymerase Chain Reaction (RT-rPCR)

<u>Viruses</u>	<u>Sensitivity</u>	<u>Specificity</u>
Adenovirus	88.9%	98.3%
Coronavirus HKU1	95.8%	99.8%
Coronavirus NL63	95.8%	100%
Coronavirus 229E	100%	99.8%
Coronavirus OC43	100%	99.6%
Influenza A	90.0%	99.8%
Influenza A H1	100%	100%
Influenza A H1 2009	100%	99.6%
Influenza A H3	100%	100%
Influenza B	100%	100%
Metapneumovirus	94.6%	99.2%
Parainfluenza 1	97.1%	99.9%
Parainfluenza 2	100%	99.8%
Parainfluenza 3	95.8%	98.8%
Parainfluenza 4	100%	99.9%
Respiratory Syncytial Virus	100%	89.1%
Rhinovirus/Enterovirus	92.7%	94.6%
SARS-CoV-2	98.0%	100%
<b><u>Bacteria</u></b>		
<i>Bordetella parapertussis</i>		
<i>Bordetella pertussis</i>	94.6%	99.9%
<i>Chlamydomphila pneumoniae</i>	100%	100%
<i>Mycoplasma pneumoniae</i>	84.4%	100%

**Specimens** **Nasopharyngeal Swab (preferred):** Collect on a swab with a synthetic tip and a plastic or aluminum shaft. Place swab in universal transport medium in a sterile leak-proof container. Specimen can be held up to 4 days at room temperature or 30 days frozen.  
**Anterior nasal swab:** Using a flocked or spun polyester swab, insert the entire absorbent tip inside the nostril and firmly rotate the swab against the nasal wall at least 4 times. Be sure to collect any nasal drainage that may be present on the swab. Sample both nostrils with same swab. Specimen can be held up to 4 days ambient or 30 days frozen.

**Causes for Rejection** Calcium alginate or wood-shafted swab; time and/or temperature instructions not followed as specified; quantity not sufficient (QNS) for analysis.

**Reference Range** Not Detected

**Turnaround Time** Within 24 hours (delays may occur due to supply shortages or abnormally high volumes)

**CPT Codes** 87633, 87798 (x2), 87486, 87581  
 87635 (for SARS-CoV-2; rate of \$100 applied for insurance payers - effective 5-18-2020)

**HCPCS Code** U0003, U0005

**PLA Code** 0100U\* (for Medicare patients)

\*This PLA Code is subject to a Medicare Limited Coverage Policy (MLCP) and may require a signed Advanced Beneficiary Notice (ABN) when ordering. Tests subject to an MLCP must meet medical necessity criteria in order to be covered by Medicare. MLCP tests ordered without a supportive ICD-10 code will not satisfy medical necessity and therefore will not be covered by Medicare. Physicians (or others authorized by law to order tests) should only order tests that are medically necessary for the diagnosis or treatment of a patient. These orders may require an ABN signed by the patient, which confirms they are responsible for payment.

### **Description**

This comprehensive high-throughput panel uses RT-rPCR to test for 18 respiratory viruses and 4 bacteria which cause upper respiratory tract infections. A positive PCR result for any of the specific targets indicates the presence of the respective organism in the specimen. A negative PCR result indicates the absence of detectable DNA or RNA in the specimen, but does not rule out infection with these or other enteric pathogens. False-negative results may occur due to inhibition of PCR (known inhibition rate of <1%).

### **Genetic Assays, Inc.**