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**Reporting Title:** Respiratory Panel, PCR, NP**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus**Ordering Guidance:**

This assay is not predicted to detect severe acute respiratory syndrome (SARS)-associated coronavirus or Middle East respiratory syndrome (MERS)-coronavirus.

This test is **not** intended for otherwise healthy, immunocompetent patients who are likely to have a mild, self-limited respiratory infection. If testing is desired, these patients should be tested using the more targeted diagnostic assays based on their exposure history and clinical presentation.

-FLUNP / Influenza Virus Type A and Type B, and Respiratory Syncytial Virus (RSV), Molecular Detection, PCR, Nasopharyngeal Swab

-BPRPV / *Bordetella pertussis* and *Bordetella parapertussis*, Molecular Detection, PCR, Varies

-MPRP / *Mycoplasma (Mycoplasmoides) pneumoniae* with Macrolide Resistance Reflex, Molecular Detection, PCR, Varies

-HPCOV / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS CoV-2), Molecular Detection, Varies

It is **not** recommended that the following tests be concomitantly ordered when this test is ordered:

-FLUNP / Influenza Virus Type A and Type B, and Respiratory Syncytial Virus (RSV), Molecular Detection, PCR, Nasopharyngeal Swab

-LADV / Adenovirus, Molecular Detection, PCR, Varies

-LENT / Enterovirus, Molecular Detection, PCR, Varies

-BPRPV / *Bordetella pertussis* and *Bordetella parapertussis*, Molecular Detection, PCR, Varies

-MPRP / *Mycoplasma (Mycoplasmoides) pneumoniae* with Macrolide Resistance Reflex, Molecular Detection, PCR, Varies

-HPCOV / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS CoV-2), Molecular Detection, Varies

This test is appropriate for nasopharyngeal swabs only. For bronchoalveolar lavage or bronchial washings specimens, order RPB / Respiratory Panel, PCR, Varies.

**Shipping Instructions:**

Specimens that cannot be shipped refrigerated to Mayo Clinic Laboratories within 3 days (72 hours) should be frozen prior to shipment. Specimens received older than 72 hours (refrigerated) or older than 30 days (frozen) will be canceled.

**Specimen Requirements:**

**Specimen Type:** Nasopharyngeal swab

**Supplies:**

-Culture Swab - Liquid Stuarts/Single Swab (NP Swab) (T515)

-M4-RT (T605)

**Collection Container/Tube:** Swab. See Additional Information for acceptable swab.

**Submission Container/Tube:** Transport medium. See Additional Information for acceptable media.

**Specimen Volume:** Nasopharyngeal swab in minimum volume of 1 mL of transport media

**Collection Instructions:** Nasopharyngeal swab specimens should be collected according to standard technique and immediately placed into transport media and submitted for testing.

**Additional Information:**

**If any nasopharyngeal swab or transport media not listed below is utilized, testing may be canceled.**

- Acceptable nasopharyngeal (NP) swabs are Copan Rayon Swabs, Copan Nylon Flocked Swabs, Copan Polyester Swabs, Puritan Calcium Alginate Swabs, SteriFlock NP Swab
- Acceptable transport media are Remel M4, Remel M4-RT, Remel M5, Remel M6, BD Universal Viral Transport Media (VTM), Copan Universal Transport Media (UTM), PrimeStore Molecular Transport Medium (MTM)
- Acceptable collection and transport systems are Sigma-Virocult Viral Collection and Transport System (Swab and transport medium), Copan ESwab Sample Collection and Delivery System (Swab and Liquid Amies Medium), and BD ESwab Collection Kit (Flocked swab and Liquid Amies Medium).

Forms:

If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:

- [-Kidney Transplant Test Request](#)
- [-Microbiology Test Request](#) (T244)

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	72 hours	
	Ambient	4 hours	
	Frozen	30 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
SS021	Specimen Source	Alphanumeric		31208-2
609644	Adenovirus	Alphanumeric		82160-3
609645	Coronavirus 229E	Alphanumeric		82163-7
609646	Coronavirus HKU1	Alphanumeric		82161-1
609647	Coronavirus NL63	Alphanumeric		82162-9
609648	Coronavirus OC43	Alphanumeric		82164-5
609650	Human Rhinovirus/ Enterovirus	Alphanumeric		82175-1
609651	Human Metapneumovirus	Alphanumeric		82165-2
609652	Influenza A	Alphanumeric		82166-0
609653	Influenza B	Alphanumeric		82170-2
609654	Parainfluenza Virus 1	Alphanumeric		82171-0
609655	Parainfluenza Virus 2	Alphanumeric		82172-8
609656	Parainfluenza Virus 3	Alphanumeric		82173-6
609657	Parainfluenza Virus 4	Alphanumeric		82174-4
609658	Respiratory Syncytial Virus	Alphanumeric		82176-9
609660	Bordetella pertussis	Alphanumeric		82179-3
609659	Bordetella parapertussis	Alphanumeric		87621-9
609661	Chlamydia pneumoniae	Alphanumeric		82178-5
609662	Mycoplasma pneumoniae	Alphanumeric		82177-7
609663	Interpretation	Alphanumeric		59464-8
609649	SARS Coronavirus-2	Alphanumeric		94565-9

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

0202U

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
RPMP M	M. pneumoniae Macrolide Resist PCR	1	87798	No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
RPMPM	SRCMP	Specimen source	Alphanumeric		31208-2
RPMPM	619928	M. pneumoniae Macrolide Resistance	Alphanumeric		6483-2

Reference Values:

Undetected (for all targets)