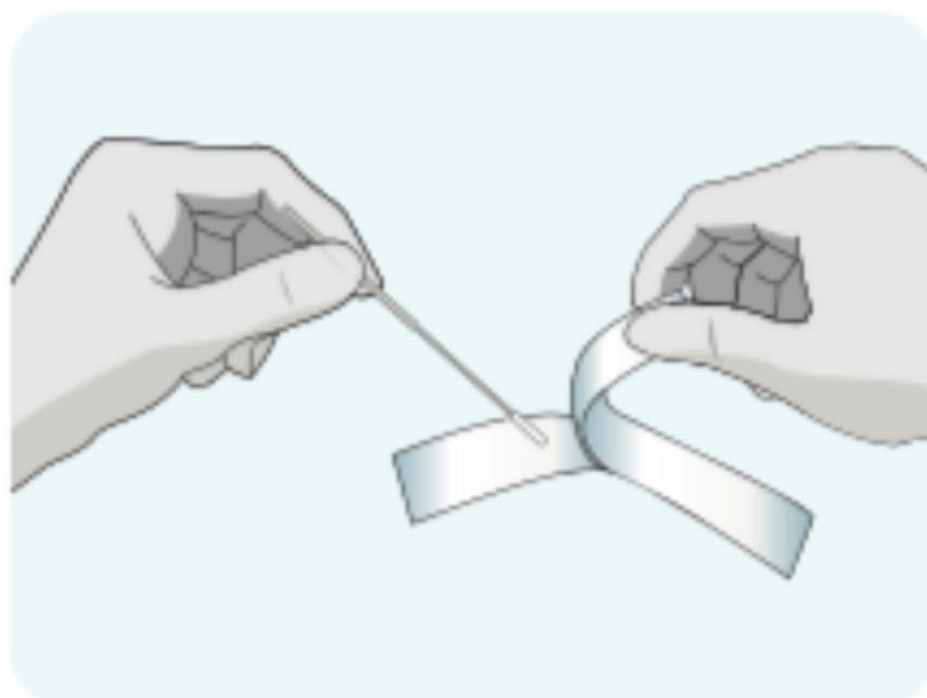




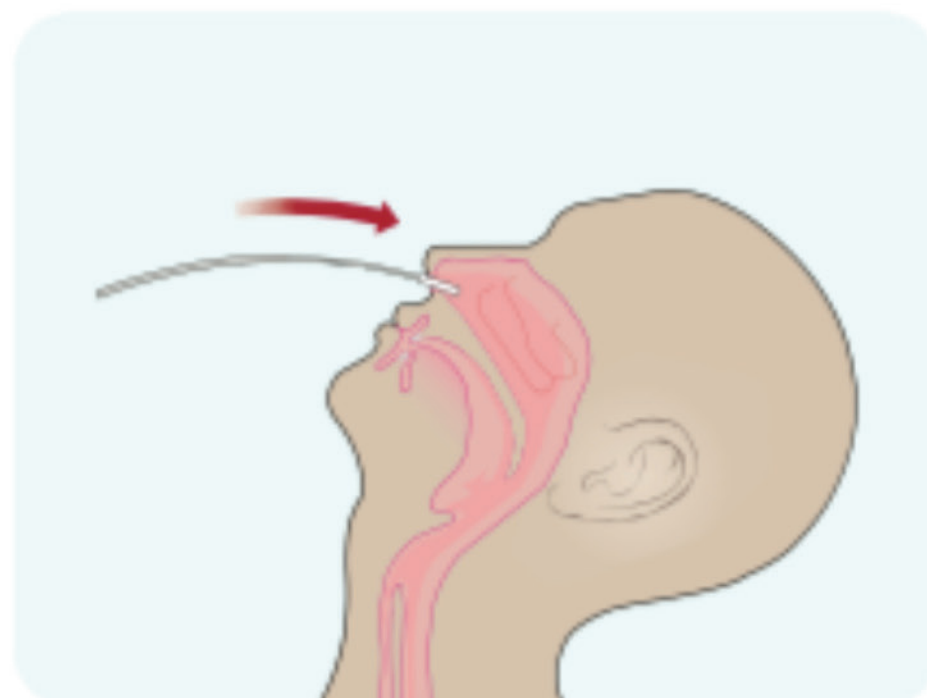
### Features

- Identify individual's current infection status to Covid-19
- Fast and easy to use Point-of-Care setting
- Qualitatively detect the SARS-CoV1 nucleocapsid protein
- Use nasopharyngeal (NIP) and nasal swab specimens
- Reliable results in 10 minutes
- No special equipment or training required
- All-in-one package including collection swabs
- High sensitivity (90%) and specificity (100%)

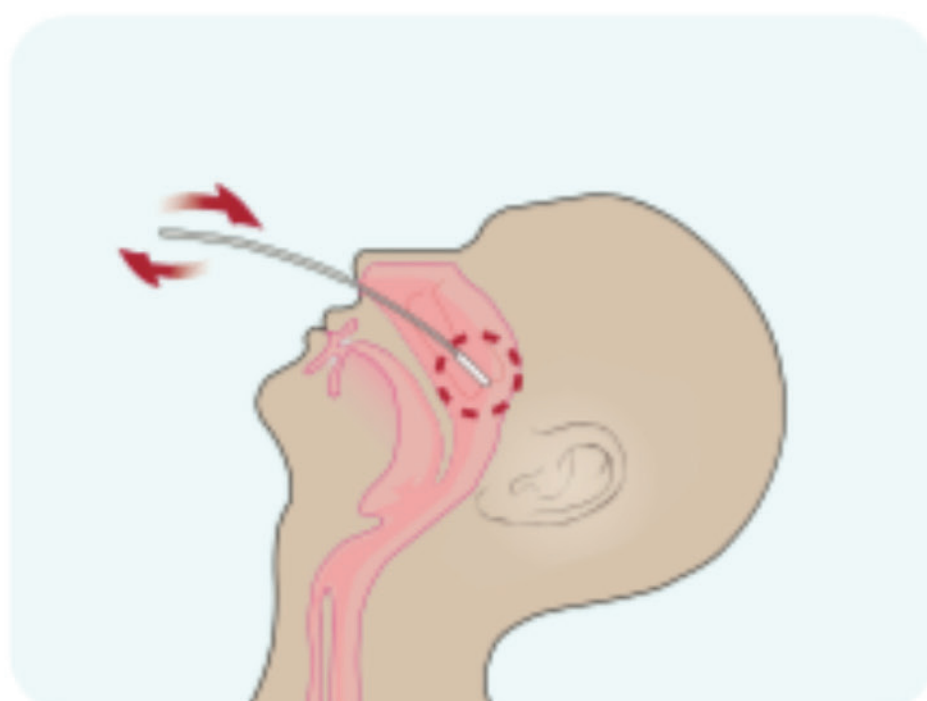
Test	AccessBio CareStart Antigen	Becton Dickison (BD)	Quidel
Technique	Lateral flow chromatographic immunoassay	Lateral flow chromatographic immunoassay	Lateral flow immunofluorescent
Instrument	No	Veritor Plus Analyzer (\$400)	Sofia 2 Analyzer (\$2500)
Preparation Time	None	None	Yes (Sofia calibration)
Known Cross Reactivity	No	No	SARS-CoV-1
Processing time	10 minutes	15 minutes	15 minutes
Clinical Sensitivity	90%	84%	84.0%
Clinical Specificity	100%	100%	100%
Specimen Type	Nasopharygeal and Nasal swabs	Nasal swabs	Nasopharygeal and Nasal swabs
Analytical Sensitivity (LOD)	$8 \times 10^2$ TCID <sub>50</sub> /mL	$1.4 \times 10^2$ TCID <sub>50</sub> /mL	$3.4 \times 10^2$ TCID <sub>50</sub> /mL
Point-of-Care	Yes	Yes	Yes
Target	Nucleocapsid antigen	Nucleocapsid antigen	Nucleocapsid antigen

**Nasopharyngeal (NP) Swab Collection**

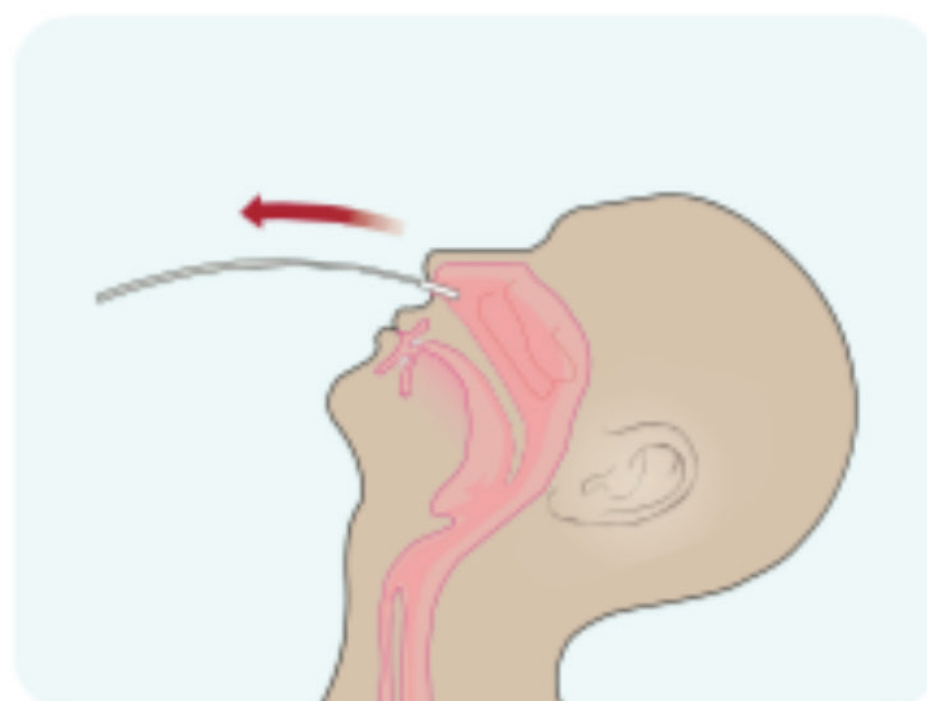
**1** Remove a swab from the pouch.



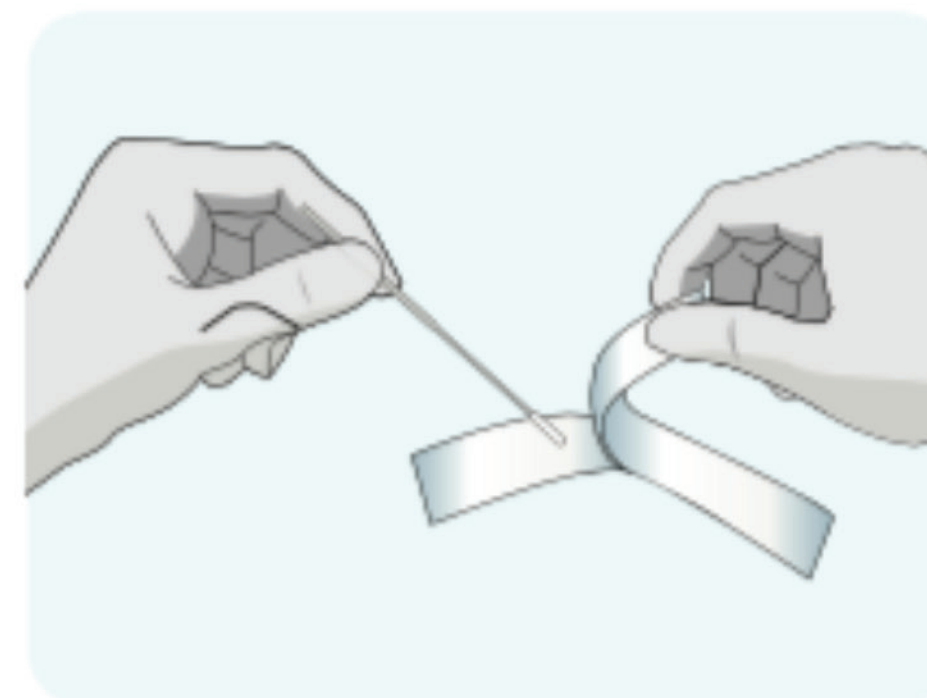
**2** Place the swab into one of patient's nostrils until it reaches the posterior nasopharynx.



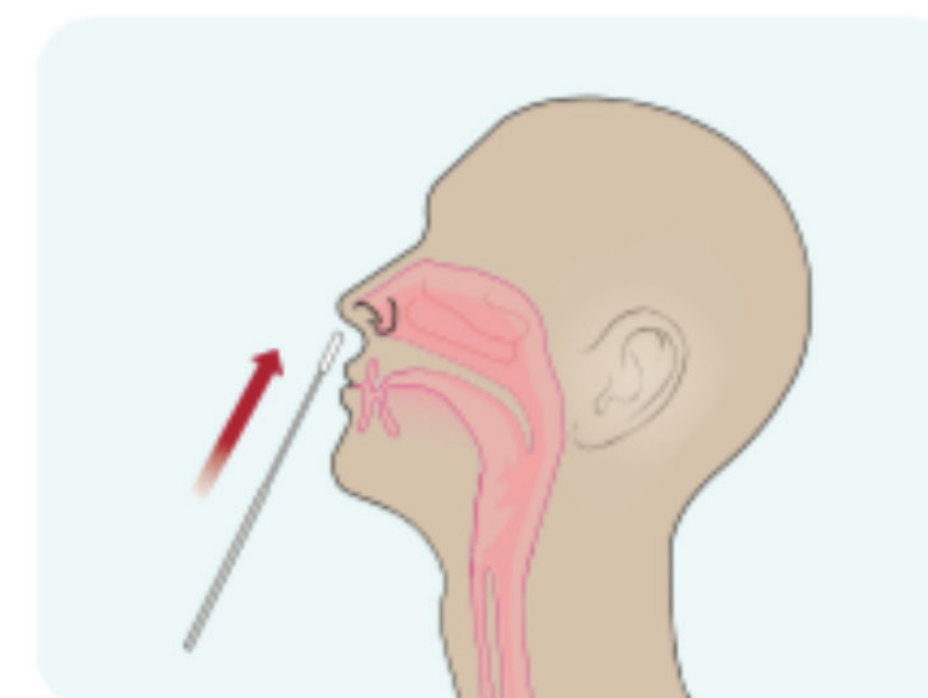
**3** Slowly rotate 5 times the swab over the surface of the posterior nasopharynx.



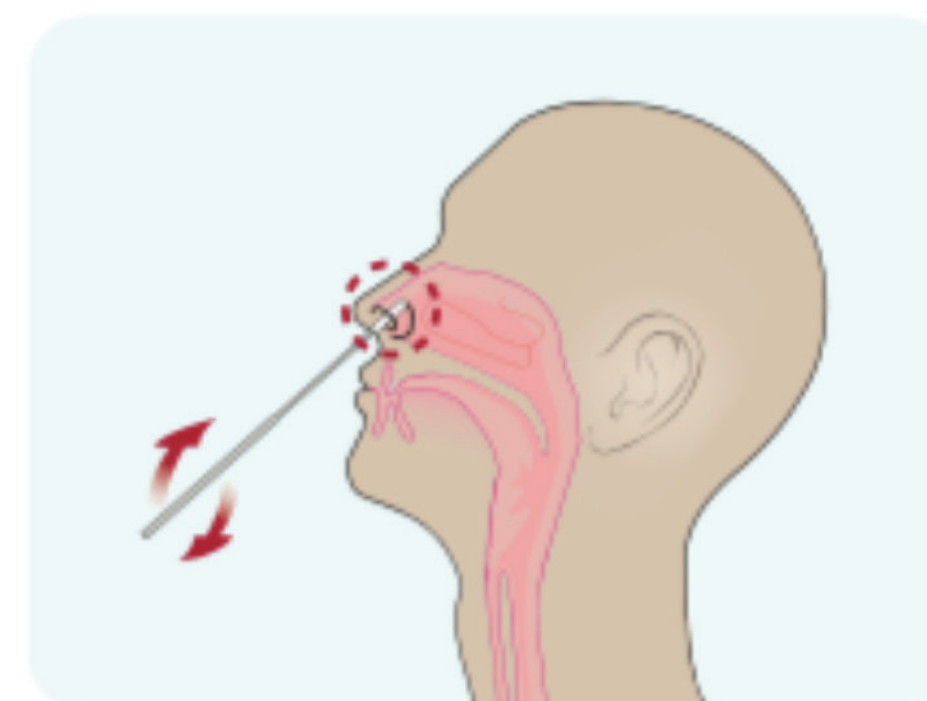
**4** Remove the swab from the nostril.

**Nasal Swab Collection**

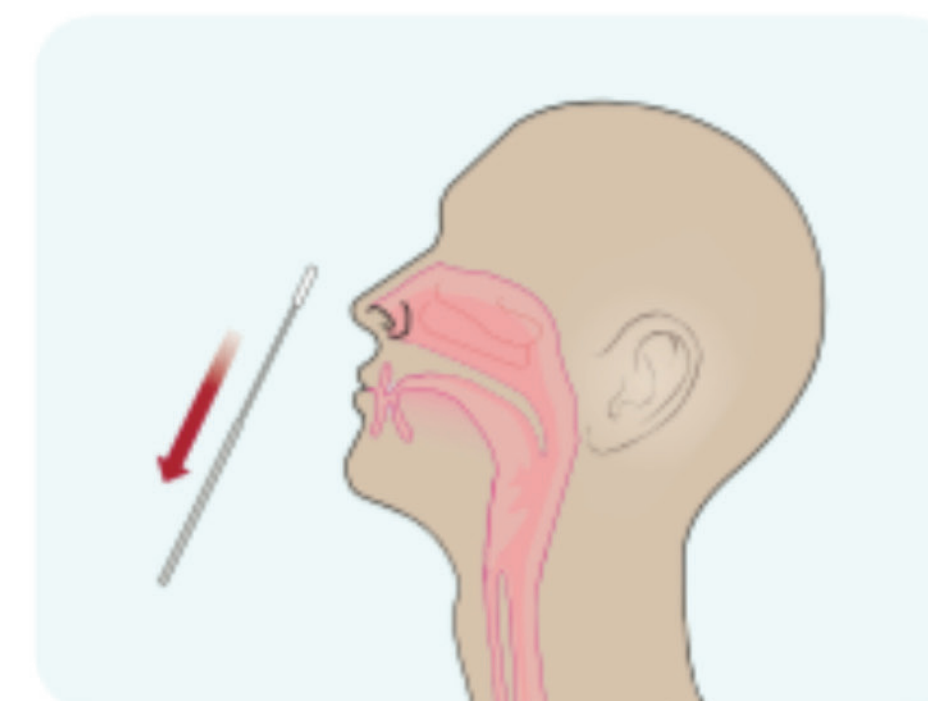
**1** Remove a swab from the pouch.



**2** Insert the swab into one of patient's nostrils up to 1 inch from the edge of the nostril.



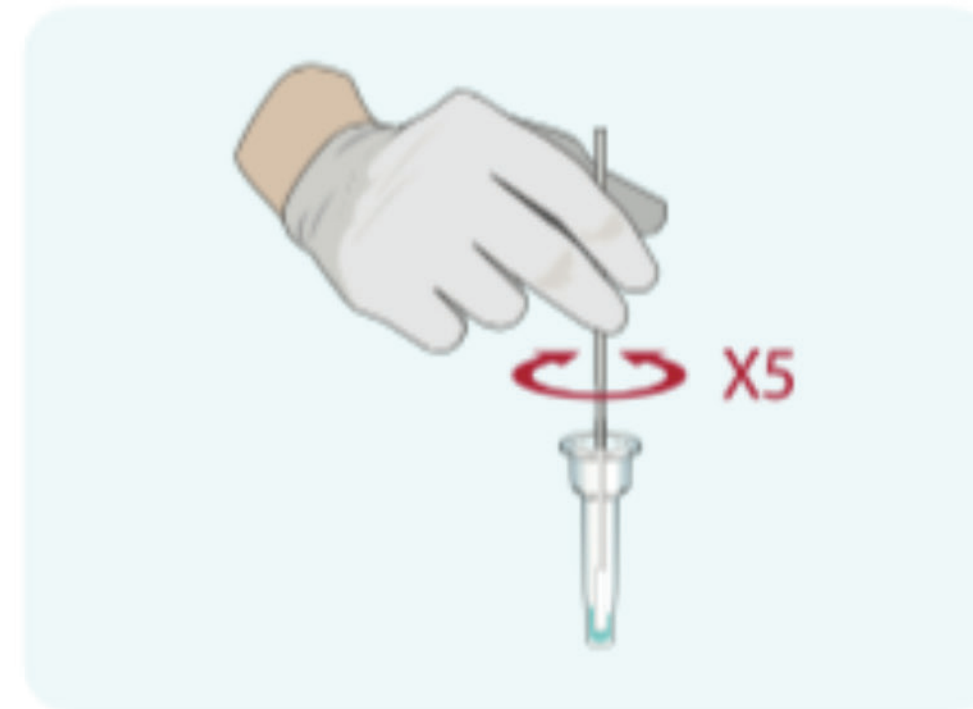
**3** Slowly rotate 5 times the swab over the surface of the nasal cavity.



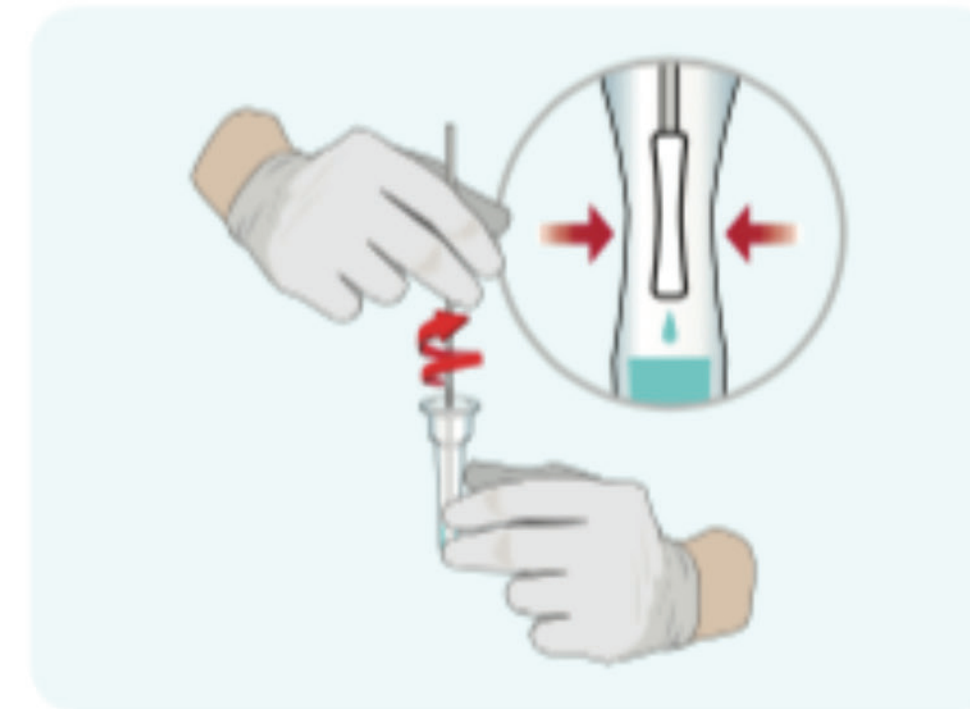
**4** Remove the swab from the nostril.



5 Peel off aluminum foil seal.



6 Place the swab into the extraction vial. Rotate the swab vigorously at least 5 times.



7 Remove the swab by rotating against the extraction vial while squeezing the sides of the vial to release the liquid from the swab. Properly discard the swab.



8 Close the vial by pushing the cap firmly onto the vial.



9 Mix thoroughly by flicking the bottom of the tube.



10 Invert the extraction vial and hold the sample vertically above the sample well. Squeeze the vial gently. Allow three (3) drops of sample to fall into the sample well.

Start the timer



Read the result at 10 minutes. The test result should not be read after 15 minutes.



## Result Interpretation

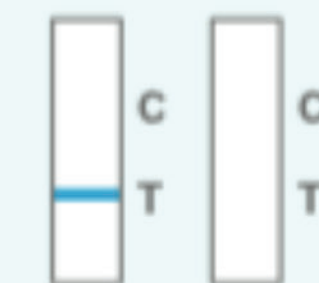
SARS-CoV-2 Positive



Negative



Invalid



### NOTES

- The color intensity in the test region will vary depending on the amount of SARS-CoV-2 antigen present in the sample.
- Any faint colored line(s) in the test region(s) should be considered as positive.

### NOTES

- Re-run the test one time using the remaining specimen in the extraction vial.

Test	Antibody IgM/IgG	RT-PCR	Antigen
Viral Detection	X	✓	✓
Rapid Screening	✓	X	✓
Sample	Blood	Swab	Swab
Patients with COVID-19 Symptoms	✓	✓	✓
Patients with other Symptoms	✓	X	✓
Patients without symptoms	✓	X	✓
Turn Around Time	Minutes	Hours to Days	Minutes

# JFIMEDICAL<sup>®</sup> COVID-19 ANTIGEN RAPID TESTS

