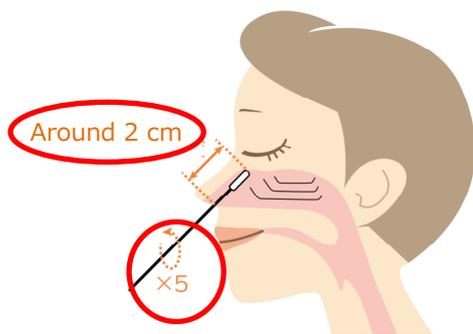


## How to extract the sample for Espline SARS-CoV2 Ag

### [Sampling of Nasal swab]

1. Insert swab into around 2 cm from the nostril slowly.
2. Rotate swab 5 times slowly.
3. Leave swab for 5 seconds to make the swab wet and pull out the swab.



## Precautions and key points for operation are written in red.

**1** Collect samples (Nasopharyngeal swab fluid specimen)

**2** Dip the swab into the Squeeze Tube to extract the specimen

**Hold the cotton ball of swab appropriately, rotate the swab for about 10 time.**

If the extraction process is **NOT** enough, it might cause the problem for the flow of developing solution in the reaction cassette.

**3** After extracting of enough specimen, set Applicator Tip and leave Squeeze Tube for **5 mins** at the room temperature.

**Take out the swab while squeezing the cotton ball.**

**5 min**

**4** Hold Squeeze Tube vertically **10 mm above** the Reaction Cassette and apply **2 drops** onto the sample window of Reaction Cassette.

**10 mm above**  
If the sample is applied too close to the Reaction Cassette, the volume of the sample might be insufficient.

**2 drops**  
If the sample volume is less or more than 2 drops, it might cause the insufficient test results.

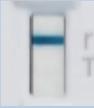
**5** Push the convex button of the Reaction Cassette down **immediately.**

**Immediately**  
Push the convex button immediately to start the reaction.

**30 mins** Interpretation

If there is no blue "r" line, the result is "Invalid". Please retest the sample again.

# ESPLINE SARS CoV-2 operation

Examples of Interpretation	Phenomenon	Possible cause	Key points for operation
	Vertical lines appeared.	<p>The samples might be applied too close to the Reaction Cassette</p> <p>The dropped sample volume might be insufficient.</p>	Please hold Squeeze Tube vertically <b>10 mm above</b> the Reaction Cassette and apply <b>2 drops</b> onto the sample window of Reaction Cassette.
		<p>The specimen might be in high viscosity.</p> <p>The extraction process might be not good.</p>	Please extract the specimen sufficiently. <b>Hold the cotton ball of swab appropriately and rotate the swab for about 10 time.</b>
	No Reference Line appeared.	<p>The applied sample volume might be more than 2 drops.</p>	Please apply <b>2 drops</b> onto the sample window of Reaction Cassette.
		<p>Pushing the convex button of the Reaction Cassette immediately might be done.</p>	Please push the convex button of the Reaction Cassette down <b>immediately</b> after applying 2 drops.
	Difficult to interpret Positive or Negative	<p>The level of antigen in a sample might be too low.</p> <p>The blue line was not appeared clearly.</p>	Please retest again.
		<p>The specimen might be in high viscosity.</p> <p>In case the sample is in high viscosity, the applied sample might be stayed in the sample window and the antigen-antibody reactions might not occur correctly.</p>	Please extract the specimen sufficiently. <b>Hold the cotton ball of swab appropriately and rotate the swab for about 10 time.</b>
	Interpretation Window colored in blue	<p>The specimen might be in high viscosity / The testing might be done under high humidity.</p>	<b>Hold the cotton ball of swab appropriately and rotate the swab for about 10 time.</b> / Avoid to testing under high humidity (Please test it in the air conditioner worked room).
	Applicator Tip came off	<p>The internal pressure of Applicator Tip might be risen.</p> <p>In case the sample with high viscosity and the foreign matter is in the Squeeze Tube were applied to the Reaction Cassette, the Applicator Tip might come off and the samples in Squeeze Tube might be splattered.</p>	Please do not push the Squeeze Tube forcefully if the sample don't come out from the Squeeze Tube when 2 drops are applied onto the sample window of Reaction Cassette.