



# MTRUST COVID-19 Antigen Rapid Test

Model: TD-4531

- Easy to perform
  - Fast results in 15 minutes
  - Visual interpretation
  - For *In Vitro* Diagnostic use
  - No need any special equipment
  - Technical cooperation with Taiwan's Academia Sinica
- REF: <https://ipitt.sinica.edu.tw/posts/139911>

## Performance and Features

Test Principle	Lateral Flow Chromatographic Immunoassay
Target Antigen	SARS-CoV-2 Nucleocapsid Protein
Sample Type	Nasal Swab Specimen, Nasopharyngeal Swab Specimen
Limit of Detection (LoD)	$1.26 \times 10^2$ TCID <sub>50</sub> per mL
Cross-Reactivity & Interferences	Viruses, Bacteria and Interferences tested do not cross-react or interfere
Reaction time	15 minutes
Sensitivity (PPA):	93.1%, 95% CI: 83% to 97.2%
Specificity (NPA):	99.6%, 95% CI: 97.7% to 99.9%

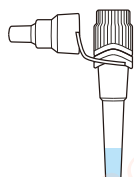
## Shipping Info

Units per Carton	120 (20x6)
Gross Weight per Carton	6 kg
Carton Size	53.6 (L) X 24.2 (W) X 46.3 (H) cm

## 1-Test Kit / Box:



Individually Foil Packaged Test Cassettes



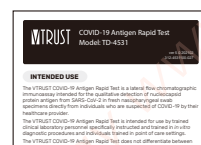
Extraction Buffer Tube



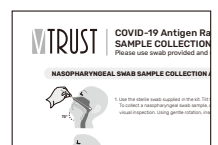
Sterile Swab



Disposal Bag



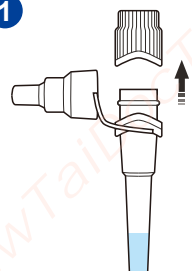
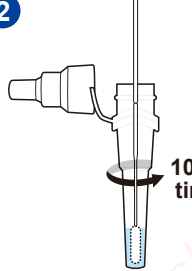
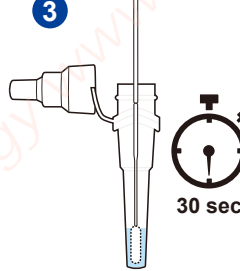
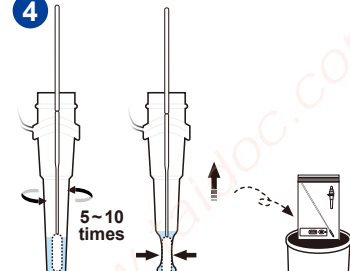
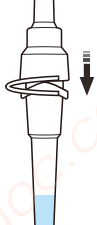
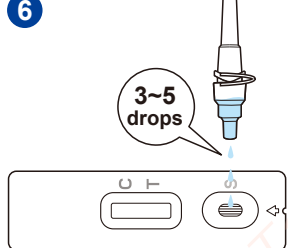
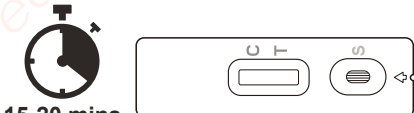
User Manual



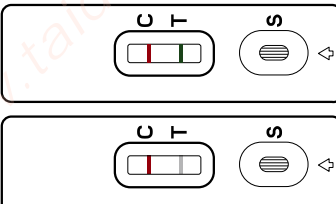
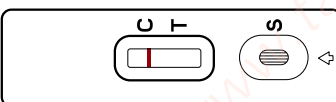
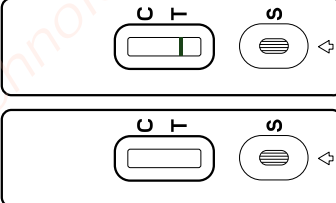
Quick Reference Instructions



### Instruction for Use

<p><b>1</b></p>  <p>Remove and discard the cap from the extraction buffer tube</p>	<p><b>2</b></p>  <p>10~20 times</p> <p>Immerse the patient swab sample into the extraction buffer tube. Roll the swab at least ten-twenty (10-20) times while pressing the head against the bottom and side of the extraction buffer tube.</p>	<p><b>3</b></p>  <p>30 sec</p> <p>Leave the swab in the extraction buffer tube for 30 seconds.</p>	<p><b>4</b></p>  <p>5~10 times</p> <p>When removing, roll the swab head toward the inside of the extraction buffer tube and squeeze the sides of the tube to extract the liquid from the swab. Dispose of the used swab in your biohazardous waste.</p>
<p><b>5</b></p>  <p>Press the attached cap tightly onto the extraction buffer tube containing the processed sample.</p>	<p><b>6</b></p>  <p>3~5 drops</p> <p>Add 3-5 drops (100 µL) of the processed sample into the sample well.</p>	<p><b>7</b></p>  <p>15-20 mins</p> <p>Visual interpretation at 15-20 minutes. Some positive results may appear sooner. <b>CAUTION:</b> Do not read the results after 20 minutes. It may provide false results.</p>	

### Interpretation of Results

<p>Positive</p>		<p><b>+</b> <b>Positive result</b></p> <p>There are two colored line on the test cassette. Both colored test line and colored control line appear on the test cassette. Within the specified observation time, a weak colored test line should be judged as a positive result.</p>
<p>Negative</p>		<p><b>-</b> <b>Negative result</b></p> <p>Only the colored control line appears on the test cassette. The absence of the test line indicates a negative result.</p>
<p>Invalid Assay</p>		<p><b>×</b> <b>Invalid result</b></p> <p>There should always be a colored control line in the control region regardless of test result. If control line is not seen, repeat the assay with a new test cassette.</p>