

COVID-19 Antigen Rapid Test Cassette

▪ Designed for qualitative detection of SARS-CoV-2 antigen in swabs

SARS-CoV-2 Nucleocapsid Protein Detection

Nucleocapsid (N) protein is the most abundant protein with highly conserved in SARS-CoV-2. N protein is used as the core raw material of rapid diagnostic reagent for immunology in the market.

COVID-19 Antigen Rapid Test Cassette developed by Clongene

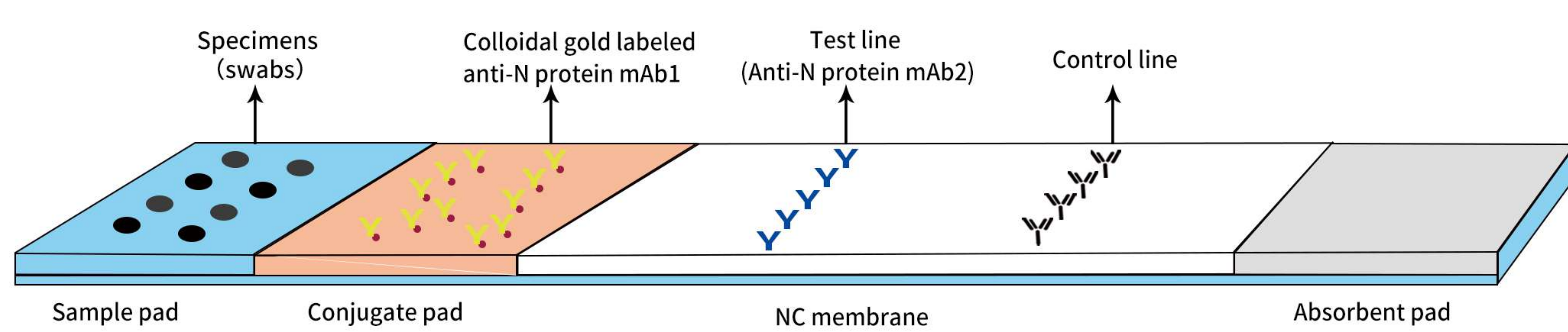
Clongene has developed the COVID-19 Antigen Rapid Test Cassette. The colloidal gold immunoassay (CGIA) to detect N protein of SARS-CoV-2 is based on the principle of the double antibody-sandwich technique.



Kit Contents

Cat. No.	Extraction reagents	Test Cassette	Work Station	Extraction Tube & Dropper Tip	Sterilized Swab
ICOV5002-100569					
ICOV5002-100596					

Principle



Specimens

The detect specimens include nasopharyngeal swab and oropharyngeal swab.

Nasopharyngeal swab



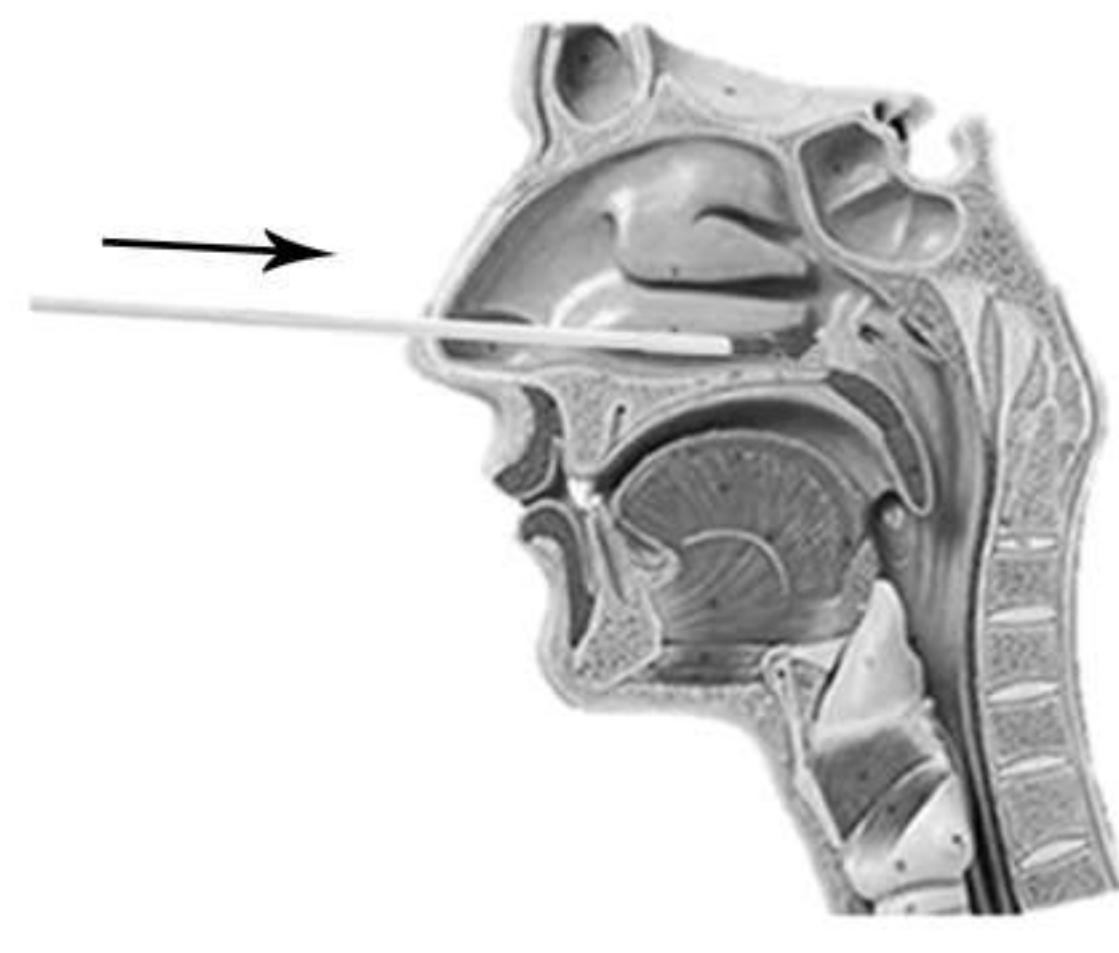
Oropharyngeal swab



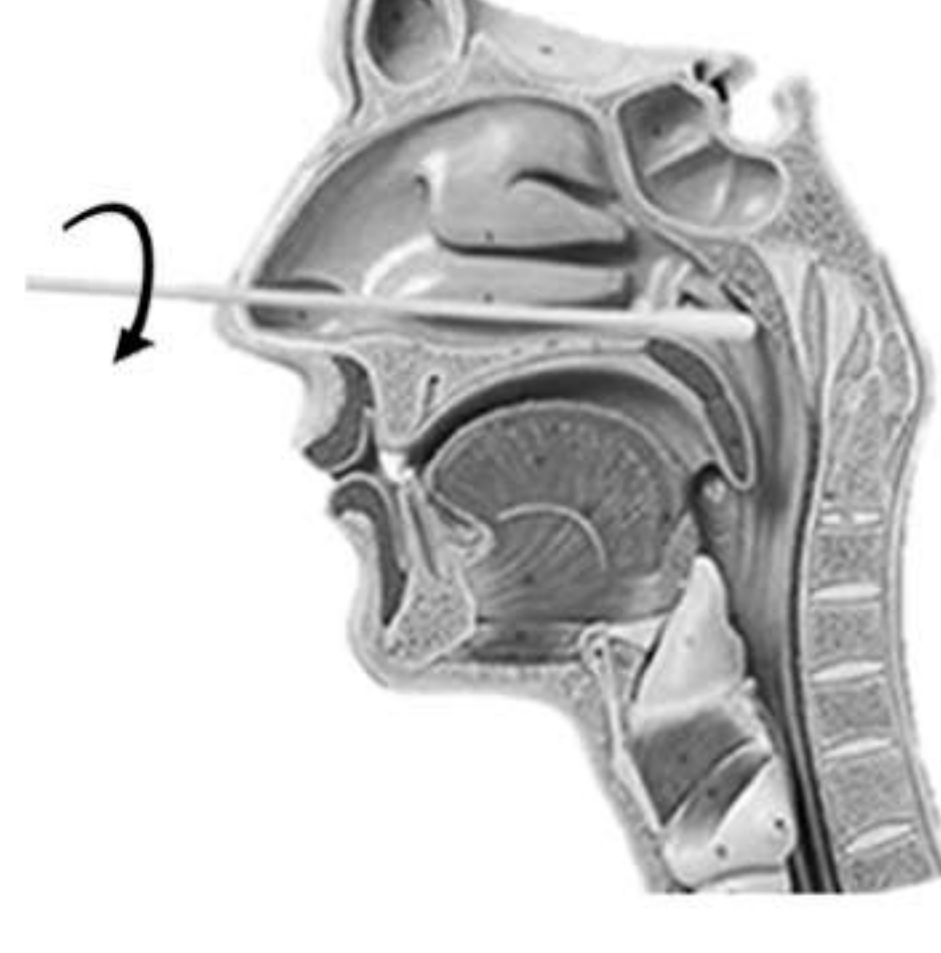
Sample Preparation and Test Procedure

Take nasopharyngeal swab for example.

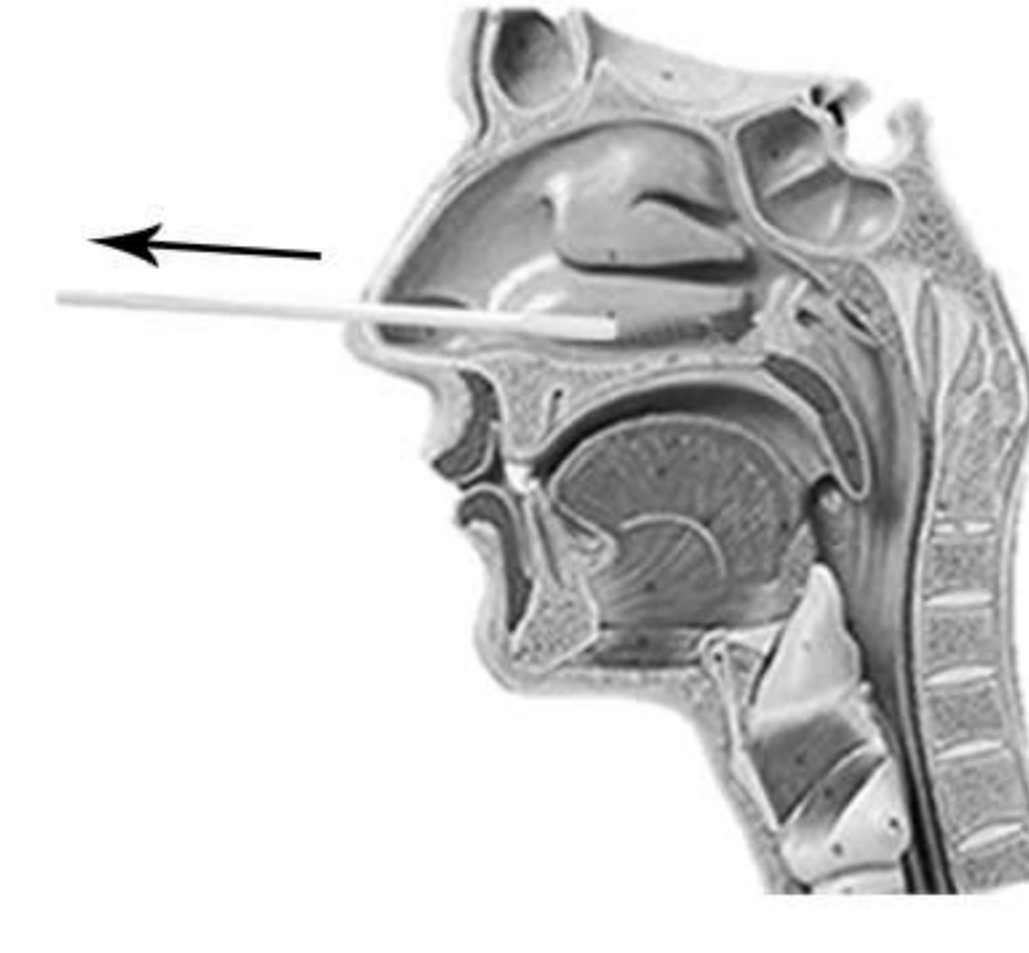
1 Insert sterilized swab through the nostril parallel to the palate.



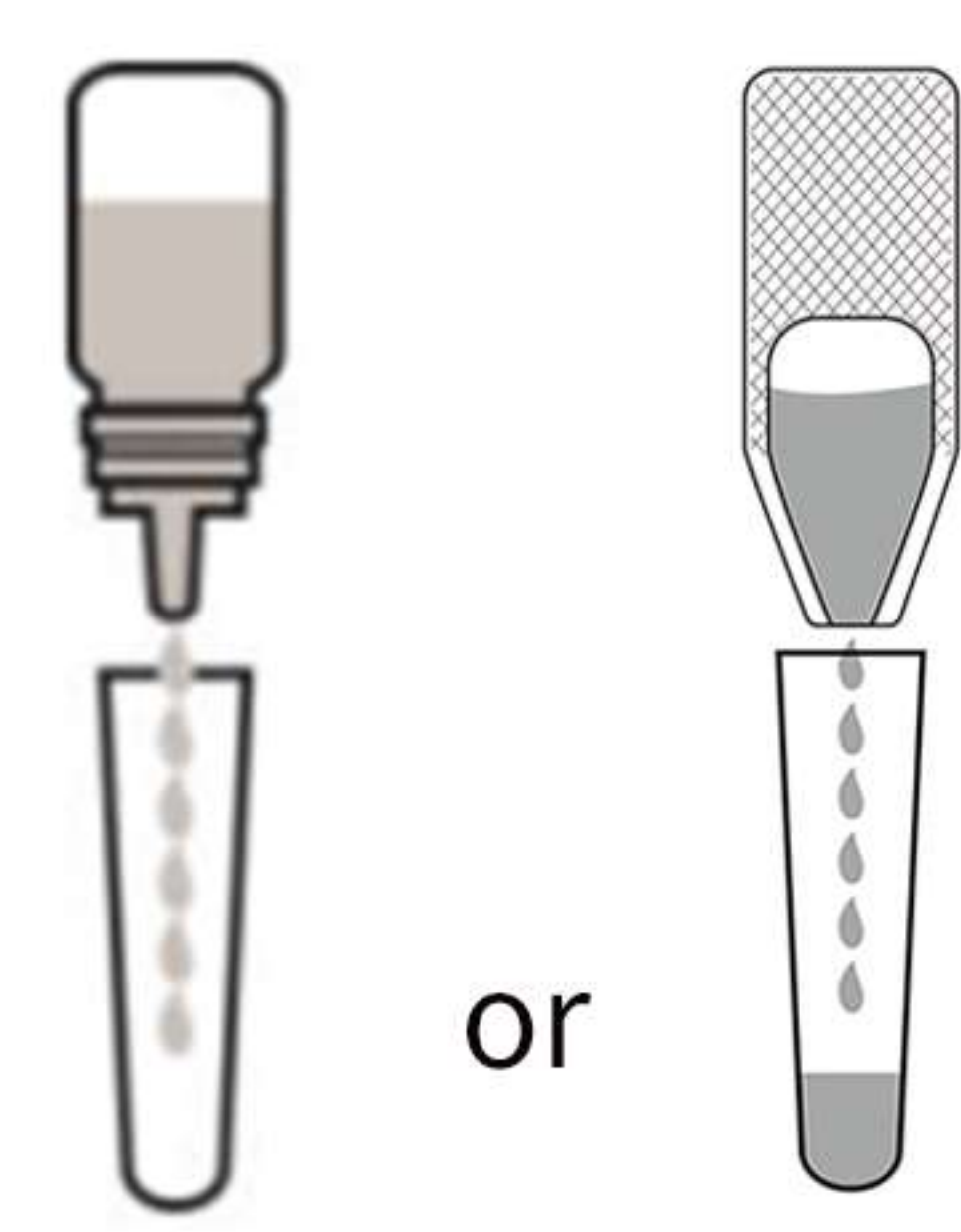
2 Gently rub and roll the swab, and leave swab in place for several seconds to absorb secretions.



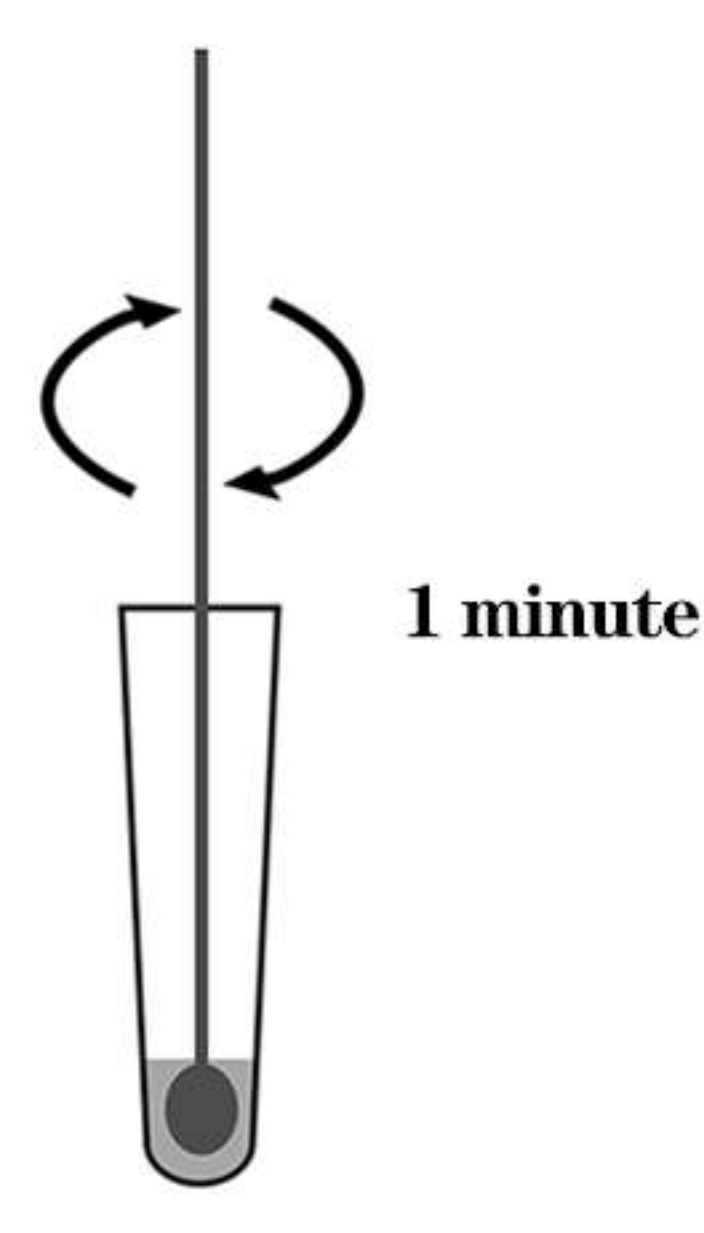
3 Slowly remove swab while rotating it.



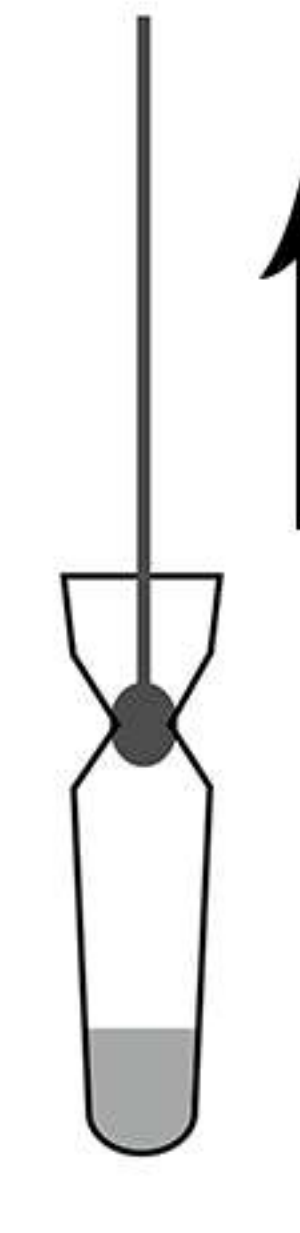
4 Add 10 drops (0.3 mL) of extraction reagent into the extraction tube.



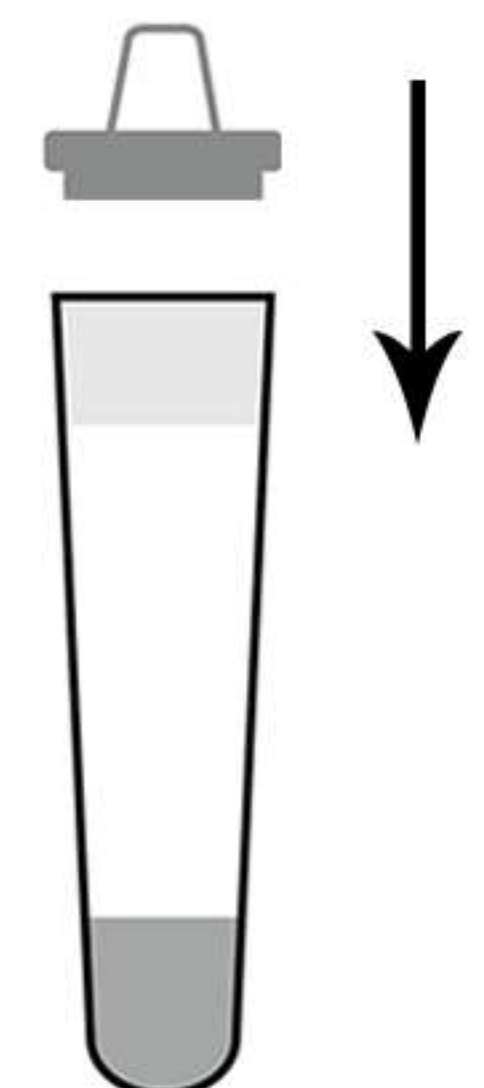
5 Insert the swab into the extraction tube. Roll the swab at least 5 times while pressing the head against the bottom and side of the extraction tube, and stay for 1 minute.



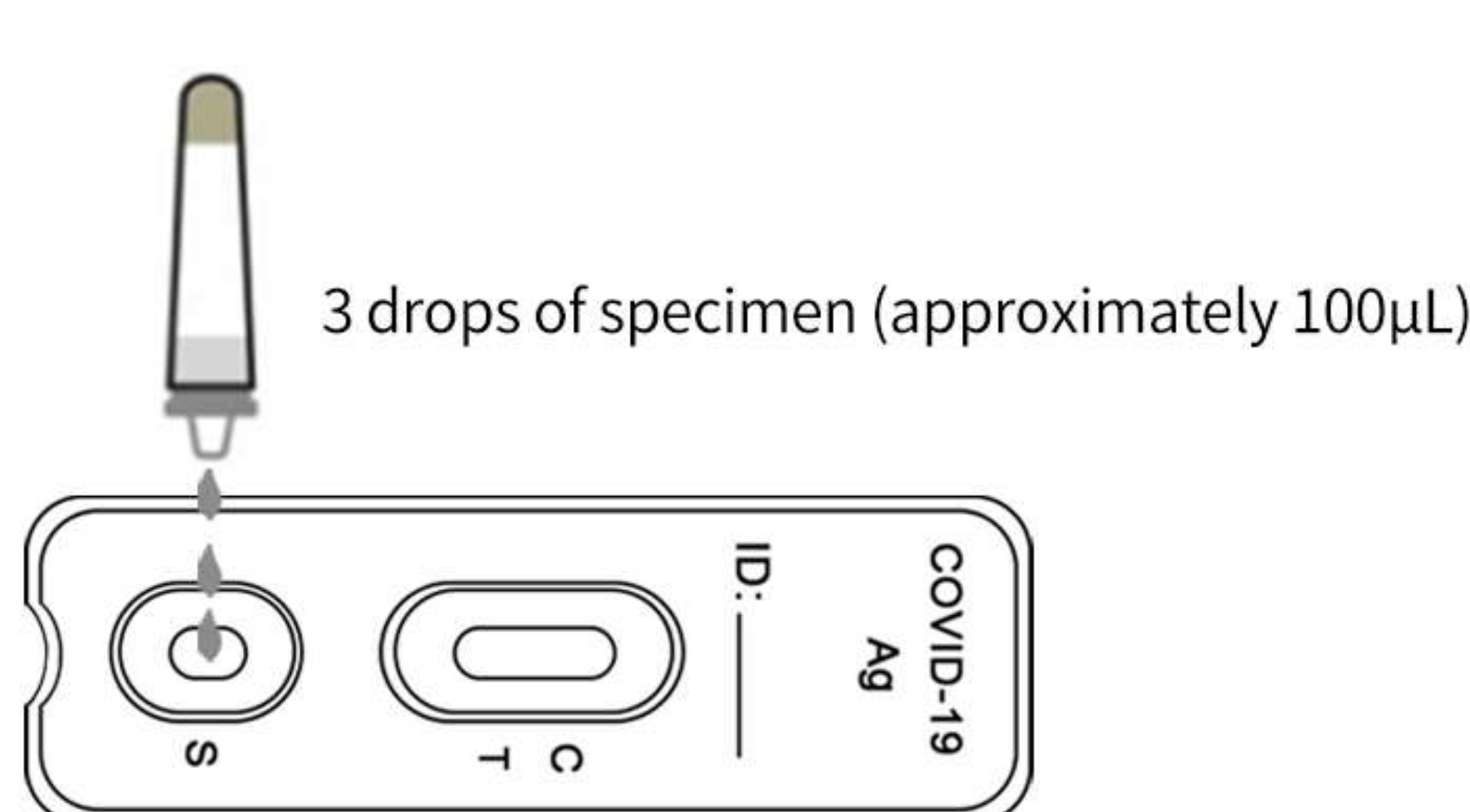
6 Pinch the extraction tube and remove the swab.



7 Insert the dropper tip into the tube.

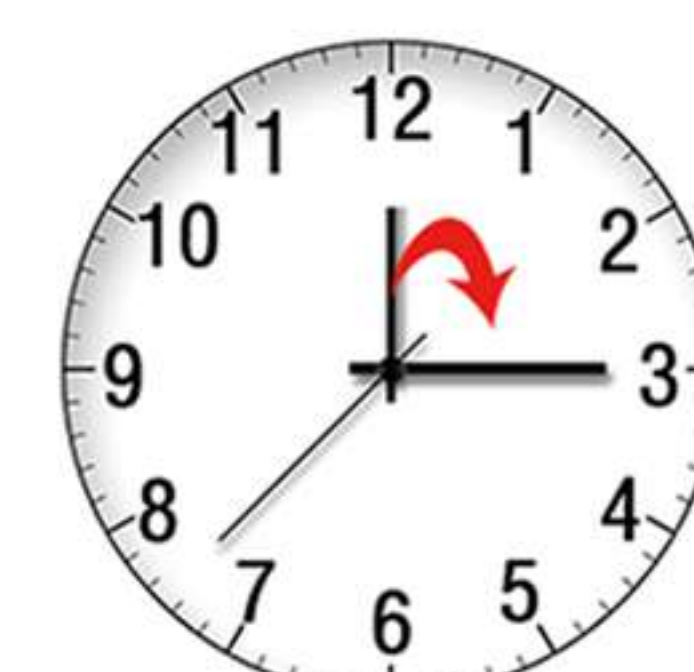


8 Transfer 3 drops to the specimen well of the test cassette.

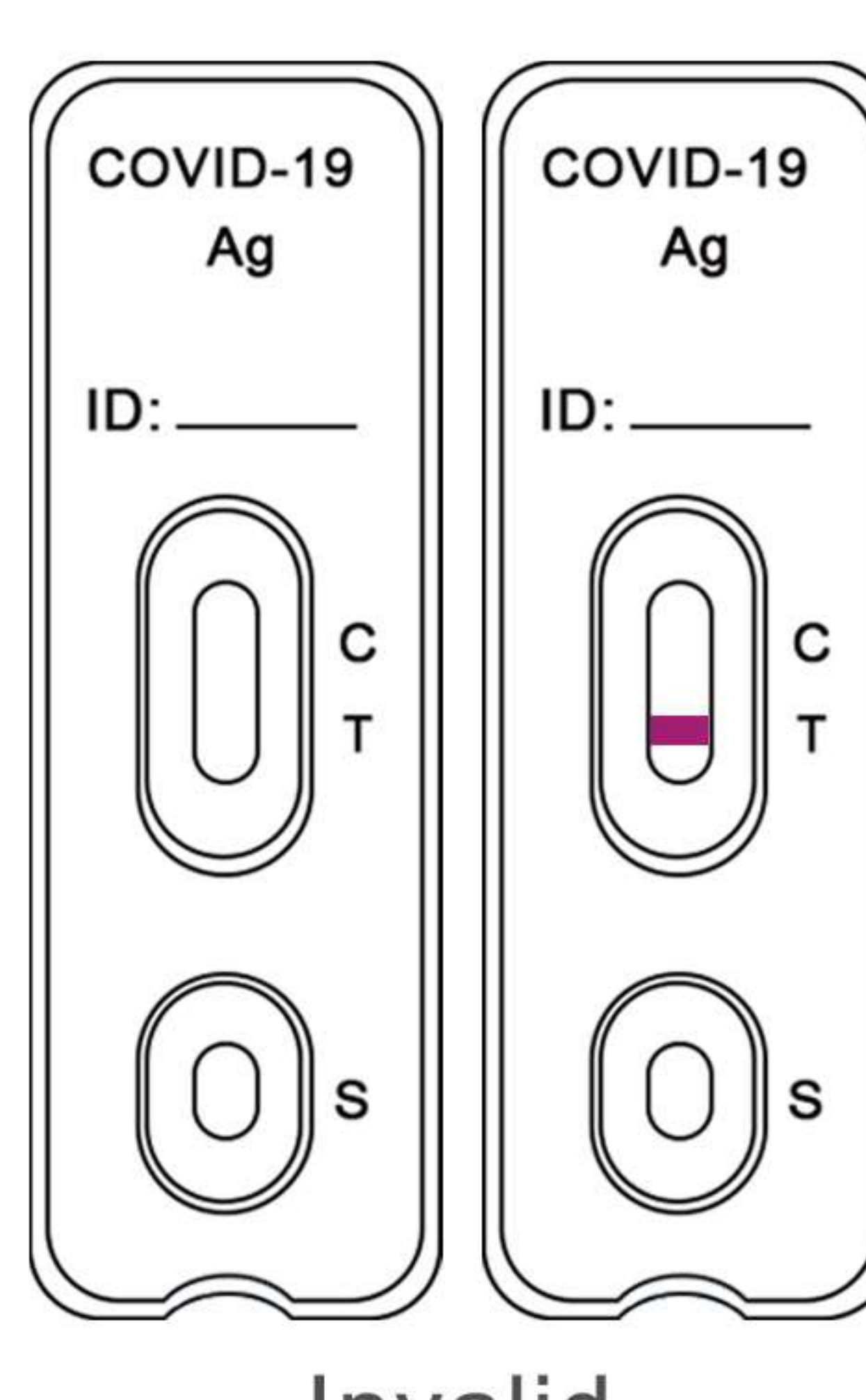
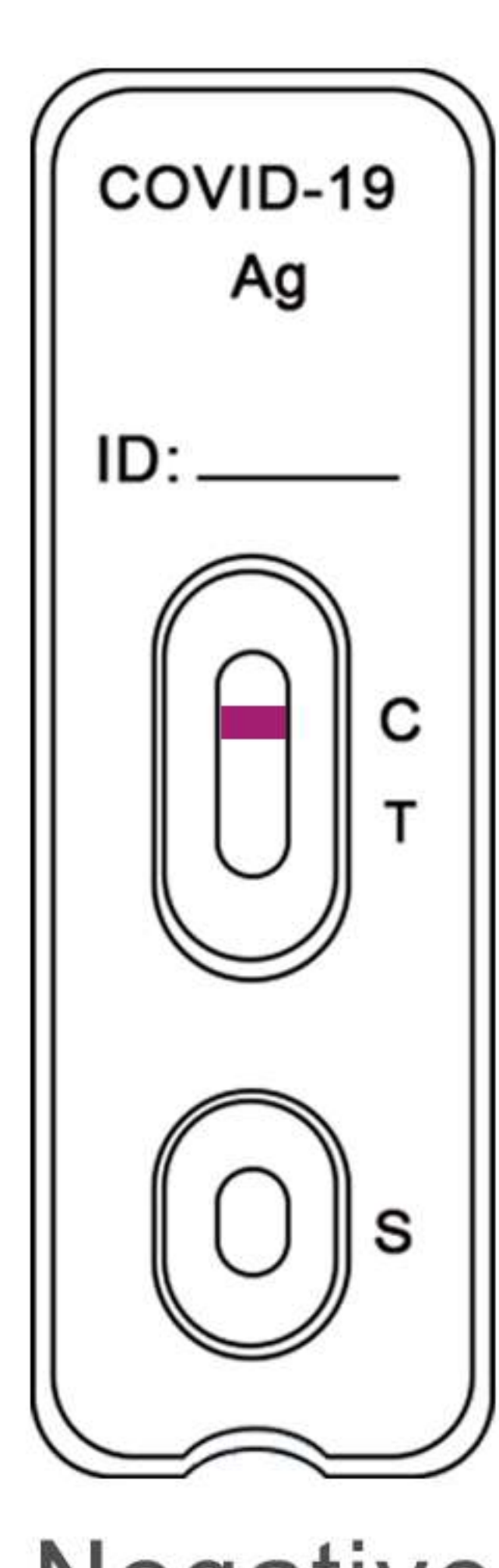
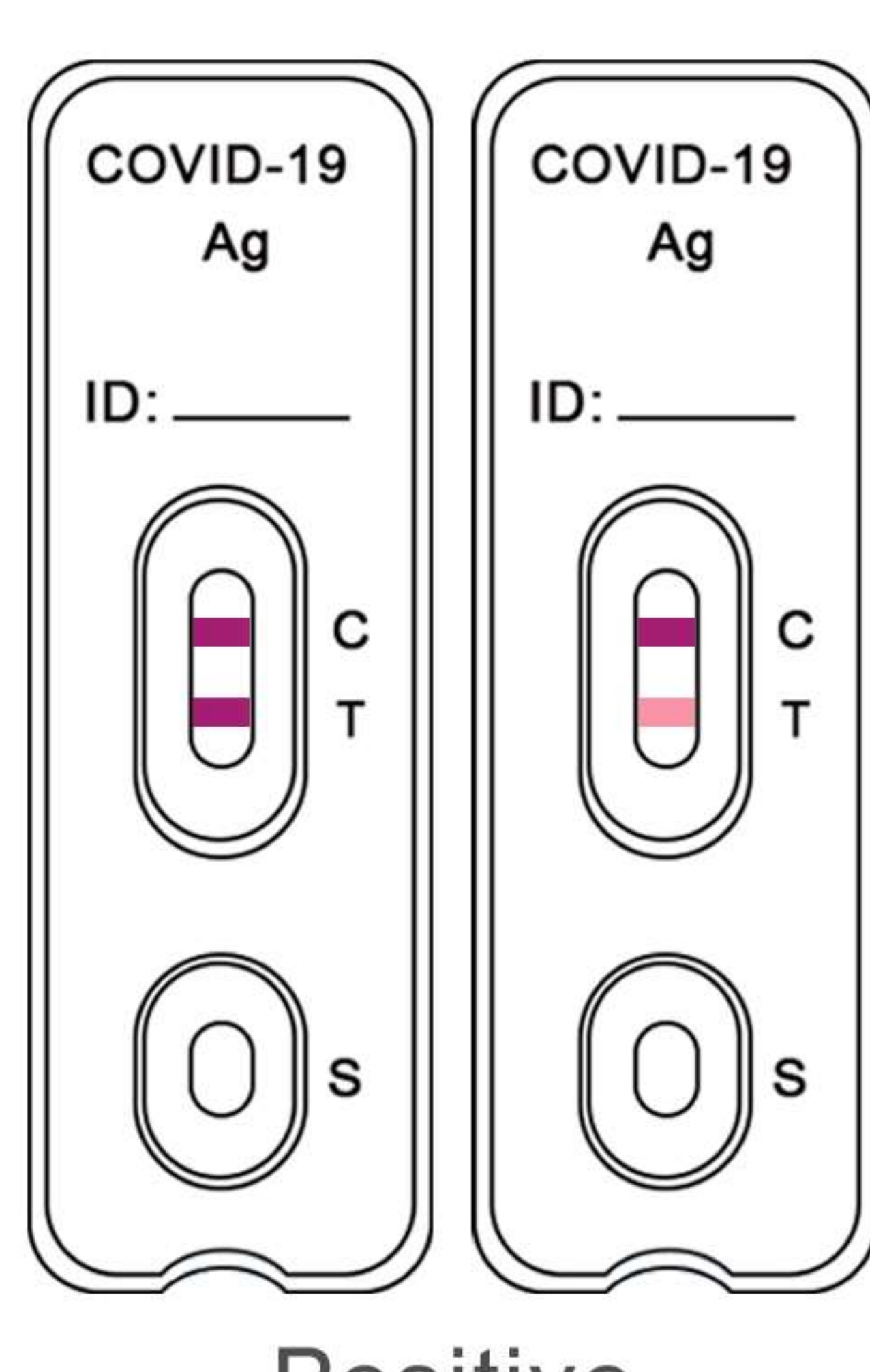


9 Interpret the test results at 15 minutes. Do not read results after 20 minutes.

waiting for 15 minutes to read the result



Interpretation of Results



The combination of COVID-19 Antigen Rapid Test and COVID-19 IgG/IgM Rapid Test can improve the accuracy of SARS-CoV-2 (COVID-19) detection. Clongene also can provide the COVID-19 IgG/IgM Rapid Test Cassette. Please contact us for more information.