



# SARS-CoV-2 Antigen Assay Kit

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(Colloidal Gold Method)



POCT

# SARS-CoV-2 Antigen Assay Kit (Colloidal Gold Method)

This kit is used for the qualitative detection of specific antigen against novel coronavirus (SARS-CoV-2) in human specimens (Nasal swabs, oropharyngeal swabs, lower respiratory tract samples).



## Principle

This kit adopts colloidal gold-based flow-through, lateral-flow immunoassay and capture method to detect specific antigen against coronavirus in human specimens (Nasal swabs, oropharyngeal swabs).

## Technical Specification

**Sample type:** Nasal swabs, oropharyngeal swabs, lower respiratory tract samples

**Sample volume:** 70  $\mu$ L

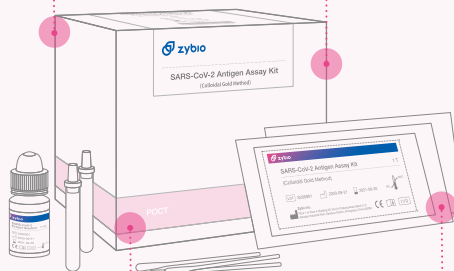
**Limit of detection:** 70 TCID<sub>50</sub>

## Packing Specification

Package	Components
20 T/Kit	SARS-COV-2 Antigen Assay Kit: 1T/strip $\times$ 20 ; Sample extract solution: 7mL/bottle $\times$ 2; Sterile swabs $\times$ 20; Nozzle caps $\times$ 20; Sample tubes $\times$ 20

Easy to use

Rapid test of SARS-CoV-2 Antigen



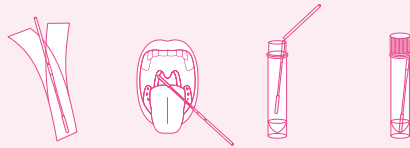
On site report in 15~20 min

Room temperature storage

# Easy to operation, only 15-20 min to result

## • Step 1: Sample collection

### Oropharyngeal swab samples collection



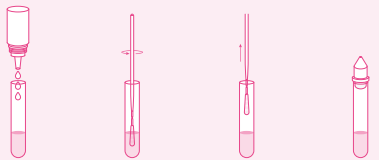
Insert the swab into the throat completely from the oral cavity, take the red part of the throat wall and the tonsils of the upper jaw as the center, wipe the bilateral tonsils and the posterior pharyngeal wall with moderate force 3~5 times, avoid touching the tongue, and take out the swab.

### Nasal swab samples collection method



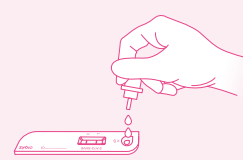
Clean the nasal cavity in advance, after the nose swab is passed through the nostril, from the lower nasal passage to the back wall of the nasopharynx, twist it on the nasopharyngeal mucosa and keep it for 10-15 seconds before taking it out .

## • Step 2: Extract the samples



- 1: Add about 400  $\mu\text{L}$  (about 15 drops) of SARS-CoV-2 sample extraction solution into the sample extraction tube;
- 2: Insert the swab and stir for about 10 times;
- 3: Along the extraction tube wall extrusion swab head;
- 4: Cover the dropper.

## • Step 3: Add the samples



Then use simpler immediately to discard the first drop and to dispense 2 drops (about 70  $\mu\text{L}$ ) sample-dilution mixture vertically to the center of sample well (S) .

## • Step 4: Read the results



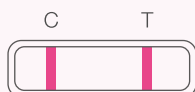
The result should read strictly within a time limit of 15-20 min, and the result are invalid after 30 min.

## Intuitive results

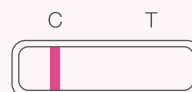
- Invalid: When the QC line (C) is invisible, the test is invalid. It is recommended to retest with a new test card. Pay attention to the residual sample volume is sufficient.



- Positive: When the QC line (C) is visible and the test line (T) is visible.



- Negative: Only the quality control line (C) is visible.





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EN-C-POCT-SARS-CoV-2 Antigen-20210219H

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