Nasal or saliva sample and buffer are added to the test well. Any SARS-CoV-2 antigens contained in the sample will start to flow down the strip.

Polyclonal control antibodies to detect gold-tagged anti-SARS-CoV-2 antibody. Shows validity of the test.

Absorption pad

Sample pad

Conjugate pad

Absorption pad

SARS-CoV-2 antigen

Gold-tagged anti-SARS-CoV-2 antibody. Pre-set on conjugate pad to form a complex with SARS-CoV-2 antigen in sample

Anti-SARS-CoV-2 antibody to detect antigen-antibody complexes

Directional flow of test

Antigen-antibody complexes bind to the anti-SARS-CoV-2 antibodies at the test line, creating a color change

Excess antigens, tagged antibodies, and buffer finally reach absorption pad

Positive Result

Negative Result

Inconclusive Result

Inconclusive Result

Control

Test

Control

Test

Control

Test

Control

Test