

## Performance Characteristics

### Clinical Performance

200 specimens were detected by SARS-CoV-2 Neutralizing Antibody Rapid Test Cassette (Colloidal Gold Method) and the other diagnostic kit (ELISA).

SARS-CoV-2 Neutralizing Antibody		ELISA		Total
		Positive	Negative	
Nano Diagnosis	Positive	100	0	100
	Negative	0	100	100
Total		100	100	200

Sensitivity (PPA) =  $100/100 * 100\% = 100\%$

Specificity (NPA) =  $100/100 * 100\% = 100\%$

### Limit of Detection

The National Standard for SARS-CoV-2 Neutralizing Antibodies were detected, greater than or equal to 10U/mL was positive, or else was negative.

### Cross Reactivity

The SARS-CoV-2 Neutralizing Antibody Rapid Test Cassette (Colloidal Gold Method) has no cross reaction with positive specimens from SARS-CoV-2 nucleoprotein antibody, Para influenza virus antibody, influenza A virus antibody, influenza B virus antibody, Chlamydia pneumonia antibody, Mycoplasma pneumonia antibody, adenovirus antibody, respiratory syncytial virus antibody, hepatitis B virus antibody, hepatitis C virus antibody, Treponema palladium antibody, human immunodeficiency virus antibody, EB virus antibody, measles virus antibody, cytomegalovirus antibody and enterovirus 71 antibody.

### Interference

It would not interfere with the test results of the SARS-CoV-2 antibodies when the bilirubin concentration was less than 200 mol/L, the hemoglobin concentration was less than 10g/L, the triglyceride concentration was less than 15mmol/L, the rheumatoid factor concentration was less than 100IU/ml, the anti-mitochondrial antibody (AMA) was less than 70U/ml, and the IgG content of mice was less than 1000ug/ml.