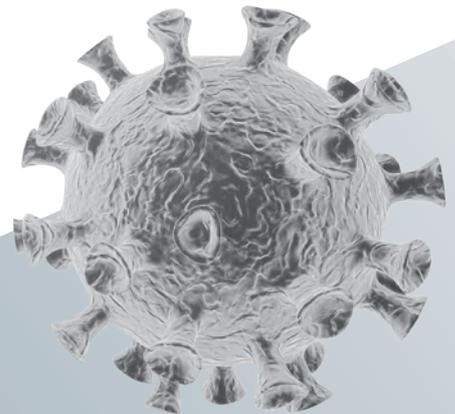




# WANTAI SARS-CoV-2 IgM ELISA

*Developing Scientifically  
Focusing on the Health*

## COVID-19



For more information:  
[wtexport@ystwt.com](mailto:wtexport@ystwt.com)



Sensitivity: 86.09%  
Specificity: 99.35%  
Incubation time: 30'+30'+15'  
Specimen volume: 10 $\mu$ l

## Clinical studies in China

Prospective clinical evaluation was conducted at four hospitals in China during the 2020 COVID-19 outbreak. Samples from total of 572 cases were tested among which 266 were confirmed (China COVID-19 diagnosis protocol, including China CFDA approved PCR tests), and 306 were COVID-19 excluded cases.

Clinical trial centers	Confirmed	Excluded	Total
Academy of Military Medical Sciences	12	0	12
Shenzhen Third People's Hospital	173	33	206
Zhejiang University	81	273	354
Total	266	306	572

## Sensitivity and specificity of Wantai SARS-CoV-2 IgM ELISA

Evaluation results		Confirmed/ excluded SARS-CoV-2 results		Total
		Confirmed	Excluded	
Wantai	Positive	229	2	231
	Negative	37	304	341
Total		266	306	572

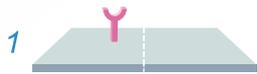
Sensitivity: **86.09%**  86.09%

Specificity: **99.35%**  99.35%

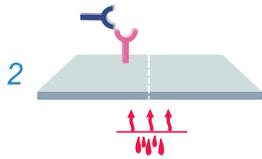
Overall agreement: **93.18%**  93.18%



# Principle and Procedures



- Microwell strips pre-coated with anti-IgM capturing antibodies

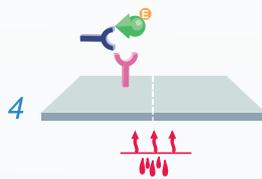


- Add 100µl of diluent and 10µl of specimens/ Controls Incubation at 37 °C for 30 min

- anti-IgM capturing antibodies
- SARS-CoV-2 IgM antibody
- HRP-conjugated SARS-CoV-2 antigen

3

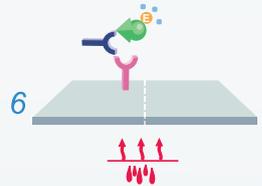
**5 Wash cycles**



- Add 100µl of HRP-Conjugate Incubation at 37 °C for 30 min

5

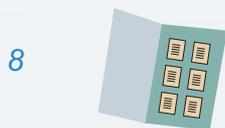
**5 Wash cycles**



- Add 50µl of Chromogen Solution A and 50µl of Chromogen Solution B Incubation at 37 °C for 15 min

7

- Add 50µl of Stop Solution



- Read by single wavelength 450nm or dual wavelength 450/600~650nm

## Ordering Info

Cat.	Product	Detection	Specimen	Pack size
WS-1196	WANTAI SARS-CoV-2 IgM ELISA	IgM Antibody	Serum/Plasma	96T/kit