

RT-PCR Testing

CRISPR-Cas

Fluorescence

Positive

Threshold

Negative

Copies per reaction (Ct)

cDNA

Viral (+) RNA

Viral DNA
Plasmid

5' G P P P

Viral
mRNA

AAA-3'

Positive Negative Invalid

Serological Testing

Vaccines

APC

CD4⁺ T cell

CD8⁺ T cell

Pro-inflammatory
Cytokines

NF-κB

MYD88

NF-κB

TLR7/8

TMPRSS2

SARS-CoV-2

ACE2

Cytokines

B cell

Tocilizumab

MHCI

IL6R

TCR