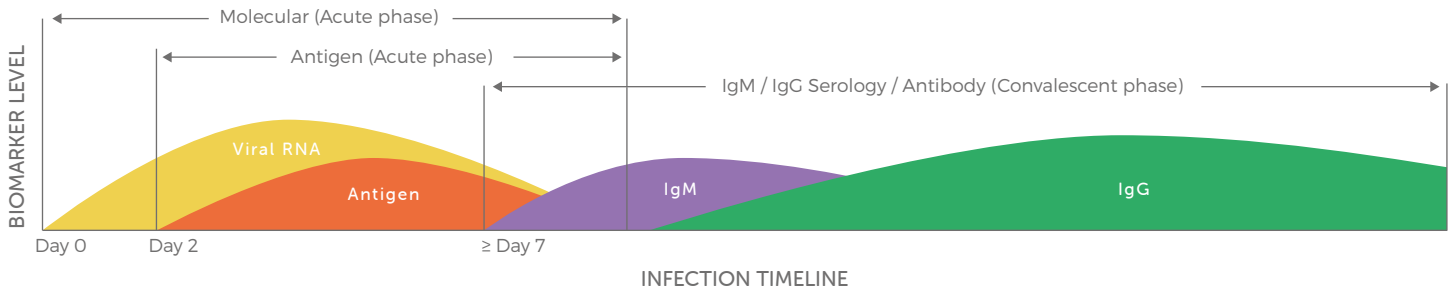


PHASE Scientific has developed accurate and convenient products to help detect the SARS-CoV-2 virus.

## INFECTION CYCLE OF SARS-CoV-2



### VIRAL RNA

### ANTIGEN

### IgM ANTIBODY

### IgG ANTIBODY

#### EARLY INFECTION STAGE

APPROXIMATELY 0-14 DAYS AFTER INFECTION

When the virus enters your body, it starts multiplying and you may or may not have symptoms.



#### VIRAL RNA

As the virus multiplies, levels of its molecular genetic material (RNA) rise, peak around 1 week, then fall off around 2 weeks.

#### MID-STAGE INFECTION

APPROXIMATELY 2-14 DAYS AFTER INFECTION

As the virus multiplies, the body begins to react to the viral antigens, possibly resulting in symptoms.



#### ANTIGEN

As the virus multiplies, levels of its molecular genetic material (RNA) rise, peak around 1 week, then fall off around 2 weeks.

#### LATE-STAGE to POST INFECTION

APPROXIMATELY WEEKS TO MONTHS AFTER INFECTION

Your body starts to fight off infection, your immune system produces IgM and IgG antibodies.



#### IgM/IgG ANTIBODY

Antibodies generally appear several days after symptoms begin and can last 1-8 weeks.



### PCR TESTING



### INDICAID<sup>®</sup>

### RAPID ANTIGEN TEST

TESTING STAGE	For early infection stage testing (Approximately 1-14 days after infection)	For early infection stage testing (Approximately 2-14 days after infection)
DETECTION TARGET	Viral RNA from SARS-CoV-2 virus	Antigens from SARS-CoV-2 virus
SENSITIVITY	Gold standard for COVID-19 detection and diagnosis for active infections	High detection sensitivity for active infections
PROCESSING TIME	Over 3 hours per sample	20 minutes per sample
AFFORDABILITY	High cost (Require medical and laboratory professionals and equipment to operate)	Low cost (No additional equipment or staff is required)
OPERATION	Conducted by professionals in clinical or lab setting using PCR machine	Can be self-administered at home Without need of extra equipment