

Combating COVID-19: The Need for Rapid Antigen Testing

CoVisAg: A Rapid Antigen Test

- ❖ **Point-of-care test** for a variety of settings
- ❖ **Simple procedure** that requires no additional equipment
- ❖ **Easy to perform**
- ❖ **Results in 15-30 minutes**
- ❖ Directly detects pathogen, **suitable for early virus detection**
- ❖ Can be used with both human and nonhuman samples



RT-PCR Molecular Test

- ❖ **Labor intensive, time consuming and costly**
- ❖ Detects viral DNA, which is highly unstable and prone to degradation
- ❖ **Complex test procedure** that requires specialty laboratory and/or advanced equipment



Antibody/Serology Test

- ❖ **Does not detect virus itself**, cannot be used as sole diagnostic test
- ❖ Only effective **7-10 days after exposure**
- ❖ Limited knowledge about the relationship between antibodies and immunity

