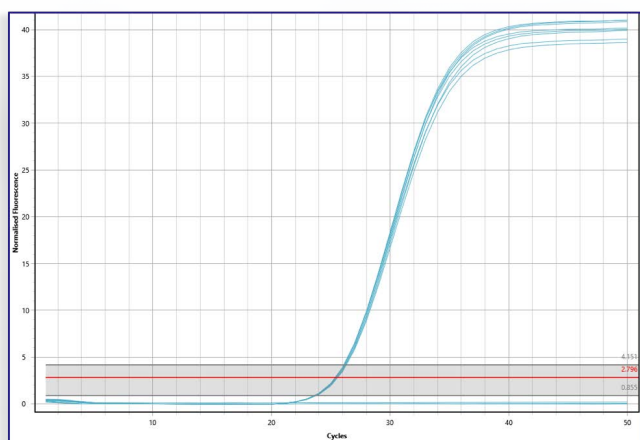




Logix Smart™ COVID-19

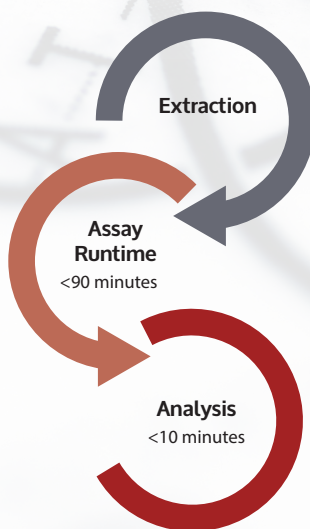
Innovating Molecular Diagnostic Solutions



qPCR Amplification of CoPrimer Test for Logix Smart COVID-19*

*qPCR (Real Time PCR) for 2019-nCoV is performed when the RNA is extracted from suspect sample and added to a tube with a master mix containing the CoPrimer sets and other reagents. The tube is placed in a qPCR thermocycler which engages in a series of heating and cooling cycles, causing the CoPrimers to "find" the targeted portion of the virus RNA (virus sequence), if present in the sample.

The CoPrimers attached to the RNA trigger a chain reaction that amplifies the RNA to a level that is detectable by the PCR equipment. The X axis of the graph shows the number of cycles. Each cycle takes less than a minute, so to complete the 50 cycles takes less than 1 hour. The Y axis of the graph shows the amplification of the targeted sequence. If there is no virus present in the sample, there will be no amplification and the lines would remain flat.



Logix Smart™ COVID-19 (Coronavirus Disease 2019)

The Logix Smart™ COVID-19 kit uses our patented CoPrimer™ technology to detect the presence of ribonucleic acid (RNA) of the novel strain of coronavirus in a real-time RT-PCR kit that targets conserved regions in the virus genome.

Current Features:

- qPCR kit with CoPrimer technology for rapid detection of the COVID-19 gene RdRp.
- Includes RNaseP Internal Positive Control.
- CoPrimer tests are open system and compatible with most qPCR equipment.
- The kit is currently under verification and validation studies for upper and lower respiratory tract and serum specimens for the determination of limit of detection, precision, and specificity. Specifications of performance are not yet available to the public.
- Regulatory discussions for clearance under Emergency Use Authorization have begun with the FDA, European Union, and the WHO.
- CE IVD

