

DIAGNOSIS OF SARS-CoV-2 (COVID-19)

RNA tests can confirm the diagnosis of SARS-CoV-2 (COVID-19) cases with real-time RT-PCR or next-generation sequencing ([148](#), [149](#), [245](#), [246](#)). At present, nucleic acid detection techniques, like RTPCR, are considered an effective method for confirming the diagnosis in clinical cases of COVID-19 ([148](#)). Several companies across the world are currently focusing on developing and marketing SARS-CoV-2-specific nucleic acid detection kits. Multiple laboratories are also developing their own in-house RT-PCR. One of them is the SARS-CoV-2 nucleic acid detection kit produced by Shoushi Biotechnology (double fluorescence PCR method) ([150](#)). Up to 30 March 2020, the U.S. Food and Drug Administration (FDA) had granted 22 in vitro diagnostics Emergency Use Authorizations (EUAs), including for the RT-PCR diagnostic panel for the universal detection of SARS-like coronaviruses and specific detection of SARS-CoV-2, developed by the U.S. CDC ([Table 1](#)) ([258](#), [259](#)).