

# Single tube multiplex RT-PCR for detection of SARS-CoV-2 from respiratory samples

**Domain:** Diagnostic Assay/Kit

**About Technology:** This real-time PCR assay enables accurate SARS-CoV-2 detection using a single-tube multiplex design with screening, confirmatory, and housekeeping genes. It employs RNA positive controls, meets ICMR and WHO validation standards, detects all variants including XFG and NB.1.8, and serves as a gold standard in research.

**Intended Use:** Accurate detection of SARS CoV 2 and its variants ( Till date XFG)

**Advantages:**

- Single tube multi gene assay



**IP Status:** Filed (Indian Patent Application No - 202111015708)

**Development Status:** Third party validation complete

**Technology Transfer Status:** Transferred to companies on Non-Exclusive basis

**Institute(s):** ICMR-National Institute of Virology (NIV)

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