

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)

Inventor(s): Dr. Varsha Potdar, Veena Vipat, Sheetal Jadhav, Dr ML Choudhary

For Licensing Opportunities contact: patentmitra.hq@icmr.gov.in