



Call for Expression of Interest - 1/2021

Technology Transfer of multiplex RT-PCR kit for Covid19

Dated: 12th April 2021

Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, an Institution of National Importance under Department of Science and Technology, Govt. of India has developed a multiplex RT-PCR kit for Covid19 detection- “Chitra Multiplex SARS CoV2 RT-PCR kit”. The performance evaluation of this kit was conducted by ICMR at National Institute of Virology (NIV) Pune and found to be satisfactory. Please refer: <https://www.icmr.gov.in/ckitevaluation.html>

The test showed a sensitivity of 97.3% and a specificity of 100% in NIV validation (160 samples - 75 positive and 85 negative).

The kit targets two SARS CoV2 genes RdRp and ORFb-nsp14, and the human RNase P gene as the internal control. The amplification time for the assay is less than one hour, besides the time required for the RNA isolation from nasopharyngeal swab samples.

Institute is interested in transferring the know-how for commercial production to competent companies with prior experience and expertise in the area.

For further details, kindly contact Technology Business Division over email: tbd@sctimst.ac.in and/or phone 0471-2520308/309 (between 10 AM to 4 pm on working days)