ICMR has approved the Truenat™ Beta CoV as singleplex screening assay (E gene) and Truenat™ SARS CoV-2 as singleplex follow on confirmatory assay (RdRp gene) on positive samples for Truenat™ Beta CoV test. ICMR has also approved Truenat™ COVID-19 multiplex assay for screening (E gene) and confirmation (Orf1a) of COVID-19.

This fully indigenous diagnostic platform offers a reliable and affordable option to augment SARS-CoV-2 testing capacity in India. The platform comprises of a Truenat™ machine, in-built RNA extraction system, RT-PCR chips, collection swabs and viral lysis medium (VLM).

Single assay has a turnaround time of 35-50 minutes for 1-4 samples with a total of 12-48 samples being tested per 8 hours shift, depending upon the model of machine. The biosafety and biosecurity requirements are minimal in view of the sample being collected in viral lysis medium (VLM), which inactivates the virus. Safety is further augmented by the closed nature of this platform and minimum sample handling. These features have facilitated use of these tests at the district and Primary health center levels as well, increasing access to testing.

Press Release (21st May 2020) & Advisory (24th Sept. 2020), Indian Council of Medical Research, Delhi

DECENTRALISING & DEMOCRATISING ACCESS TO HIGH QUALITY DIAGNOSIS

Truenat™ Beta CoV I SARS CoV-2 I COVID-19

YOUR PARTNERS IN COVID-19 DETECTION AND MANAGEMENT
TRUE NATURE™ BETA COV AND TRUE NATURE™ SARS COV-2 ARE THE CHIP-BASED REAL TIME RT PCR TESTS FOR THE SEMI QUANTITATIVE DETECTION OF BETA CORONAVIRUS (SARBECO) E GENE AND RDRP GENE OF SARS COV-2 RNA RESPECTIVELY

TRUE NATURE™ BETA COV TEST IS RECOMMENDED FOR USE AS A FIRST LINE SCREENING TEST FOR COVID-19. SAMPLES TESTING POSITIVE BY TRUE NATURE™ BETA COV MAY BE CONFIRMED BY USING FOLLOW ON CONFIRMATORY TEST TRUE NATURE™ SARS COV-2

TRUE NATURE™ COVID-19 IS A CHIP-BASED REAL TIME DUPLEX RT PCR TEST FOR THE SEMI QUANTITATIVE DETECTION OF E AND ORF1A GENES OF THE SARS COV-2 RNA

SAMPLE TYPES: HUMAN OROPHARYNGEAL/NASOPHARYNGEAL SWAB SPECIMEN

TRUE NATURE™ BETA COV/ SARS COV-2 RUNS ON TRUE LAB® REAL TIME QUANTITATIVE MICRO PCR ANALYZERS

RAPID, PORTABLE AND POINT-OF-CARE TESTS. APPROVED BY ICMR

SINGLE TESTING CAPABILITY. SAMPLE TO RESULT IN LESS THAN ONE HOUR

100% SENSITIVITY AND SPECIFICITY, WITH NO CROSS REACTION WITH COMMON RESPIRATORY PATHOGENS

LIMIT OF DETECTION (LOD): E GENE : 486 GENOME COPIES/ML
RDRP GENE : 407 GENOME COPIES/ML
ORF1A : 480 GENOME COPIES/ML

SIMPLE AND FOOLPROOF. COMPARES WITH THE STATE OF ART MOLECULAR TECHNOLOGIES

NO SPECIAL INFRASTRUCTURE IS REQUIRED. YOUR NEIGHBOURHOOD LABS CAN DO IT

EXTENSIVELY VALIDATED. LICENSED BY INDIAN FDA. ∘ MARKED

REPORTING CAN ALSO BE DONE WIRELESSLY

SIMPLER, FASTER, MORE RELIABLE AND ACCURATE

ENSURES TIMELY AND CORRECT DIAGNOSIS. ALLOWS START OF EFFECTIVE TREATMENT THE SAME DAY

ORDERING INFORMATION

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ANDHERE, ANY TIME, REAL TIME PCR