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PERFORMANCE EVALUATION OF COMMERCIAL KITS FOR REAL TIME PCR FOR COVID BY ICMR IDENTIFIED VALIDATION CENTRES

Till date, 188 RT-PCR kits have been evaluated by ICMR validation centres, and the following were found to be satisfactory.

Sl. No	Name of Company	Name of the Kit	*Batch Number
1.	ABI (Applied bio-systems), United States	TaqMan 2019-nCoV Control Kit v1	47532-020720
2.	Accelerate Technologies Pte.ltd (DxD Hub), Singapore	A*STAR FORTITUDE KIT 2.0	200304 200402
3.	ADT India Ltd, New Delhi, India	LyteStar 2019-nCoV RT PCR Kit 1.0	nCOV-2003-06; nCOV-2004-02 nCOV-2004-03 SARS-2004-01 SARS-2004-02 SARS-2004-03
4.	Affigenix Biosolutions Pvt. Ltd, Bangalore	Affigenix Covid 19 test (ACT) kit	AFDX1000602
5.	Ajay Bio-Tech (India) Ltd.	PATHOFIND COVID-19 Realtime RT-PCR Kit	20200601
6.	AITbiotech Pte Ltd, Singapore (Hiddenite Beverages Private Limited)	abTES™ COVID-19 qPCR I Kit	L141-57
7.	Altona Diagnostics, Germany	RealStar SARS-CoV-2 RT-PCR kit 1.0	023005 024628
8.	Angstrom Biotech Pvt. Ltd, Rajasthan	ANGPCR 2019-nCoV	COVP02
9.	Aspen Laboratories Pvt. Ltd (Deep Meditech Pvt Ltd)	Aspen SARS-CoV-2 Nucelic acid detection kit (PCR- Fluorescent probe method)	07020
10.	Aura Biotechnologies Private Limited, Chennai	Aura's CORONAVIRUS (COVID-19) Real Time PCR DETECTION KIT	LD12020005
11.	3B Black Bio Biotech India Ltd., Bhopal, India	TRUPCR SARS-CoV-2 RT-qPCR Kit (V-3.2) (Single Tube Multiplex format)	CoV-19/V3.2/2020/02
12.	BAG Diagnostics, Germany (Shiva Scientific Company, New Delhi)	ViroQ SARS-CoV-2 (E gene + RdRp)	002VM1
13.	BGI Genomics, China	Real Time Fluorescent RT-PCR Kit for detecting 2019-nCoV	6020200107
14.	Bhat Biotech India Pvt Ltd	GENEASY COVID-19 RT-PCR Kit	COVID20200601
15.	Biogenix INC Pvt Ltd, Lucknow	Biogenix Covid-19 one step RT PCR	20200412
16.	BioGenomics Limited, Thane,	BIO COVID ID/COVID-19 qualitative	BGL/IVD/COV/0420/004



	India	PCR detection kit version 2	
17.	BioSewoom, South Korea	Real-Q 2019-nCoV Detection Kit	580L-008
18.	BioSystems Diagnostics Pvt. Ltd	Concepta COVID-19 Multiplex RT PCR Kit	P-T 01
19.	Cancer Rop Co. Ltd (Anjanajyoti Systems Private Limited)	Q Sens 2019-nCoV Detection Kit	Q-12C
20.	Cepheid, United States	Xpert Xpress SARS-CoV-2	1000191996 1000191998 1000191999
21.	CoSara Diagnostics Pvt. Limited, Ahmedabad, India	SARAGENE™ Corona Virus (2019 NCV) Test Kit	20C11PE-01
22.	Daan Gene Co. Ltd., China	Daan Gene Co. Ltd	2020007
23.	DiagSure nCOV 19 Detection assay (Multiplex Taqman)	GCC Biotech India Private Limited	20115K1310
24.	DNA technology Research & Production, LLC, Russia (365 Medical India)	SARS-CoV-2/SARS-CoV Multiplex Rreal-Time PCR detection kit	F2005S-2M
25.	DNA Xpert Pvt. Ltd, Noida, India	Xpert Covido 19-Fast RT-PCR kit	XC19-01
26.	EUROIMMUN, UK (CPC Diagnostics Pvt Ltd)	EURO Real Time SARS CoV-2	I200428CF
27.	GCC Biotech Pvt. Ltd, 24 Parganas, West Bengal, India	DiagSure nCOV-19 Detection assay (Taqman based)	20115K1278 20115k1251
28.	GeneMatrix, South Korea	NeoPlex COVID-19 detection kit	NR05A
29.	Gene Path Diagnostics	GenePath CoViDx One RT-qPCR v2.1.1	20200504A
30.	Gene Proof, Czech Republic	Gene Proof SARS-CoV-2 Screening PCR kit	2025671 2025455
31.	Gene Proof, Czech Republic	Gene Proof SARS-CoV-2 PCR kit	2025500
32.	General Biologicals Corporation, Taiwan (Innvolution Limited, New Delhi)	GB SARS-CoV-2 Real Time PCR (E + ORF1ab gene + IC)	PVT6068
33.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT II Multiplex real time RT-PCR for COVID-19	G2M2001
34.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT Multiplex Real-Time PCR kit	G2M1001
35.	Genestore, France	Detection Expert 1S © SARS CoV-2 One Step rRT-PCR Kit	DII.31519.3.0000001
36.	Genetix Biotech Asia Pvt Ltd	COVISure COVID-19 Real Time PCR Kit	G1T20.G.101
37.	Genome Diagnostics Pvt. Ltd., New Delhi, India	Genosens nCOV 2019 Real time PCR kit	CoV-002/20
38.	Gland Pharma Ltd., Hyderabad	RT PCR SARS-CoV-2	20200406



39.	Helini Biomolecules, Chennai, India	Helini Coronavirus [COVID-19] Real time-PCR Kit	01/2020 MFD: 04/20
40.	Helini Biomolecules, Chennai	Helini Coronavirus Real-Time PCR kit [RdRp & ORF gene – Dual target-single tube assay]	01/2020, 02/2020, 03/2020
41.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus CoV detection KIT Ver 2.0	QLCNV0620 QLCNV0920
42.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus Multiplex COVID-19 detection kit	QLCNM0120.2
43.	JITM Skills Private Limited	JITM COVID-19 Detection Kit	JJ15052003
44.	JN Medsys Pte Ltd, Singapore	Protect COVID-19 RT-qPCR Kit	RD 202004-001
45.	Karwa Enterprises Private Limited, Delhi	Karwa SARS-CoV-2 Nucleic Acid Detection Kit	20200213
46.	KILPEST (3B BlackBio Biotech India Ltd., Bhopal, India)	TRUPCR SARS-CoV-2RT-qPCR kit version 2	CoV-19/V2/2020/01
47.	Kogene Biotech, Seoul, Korea	Power Check 2019 nCoV Real Time PCR Kit	R6900TD200423
48.	Kogene Biotech Co. Ltd, Seoul, Korea (Kin Diagnostics)	Powercheck SARS CoV-2 RT PCR Kit	1R6902200602
49.	Indian Institute of Technology, Delhi, India	Covid 19 Probe-free Real Time PCR Diagnostic Kit	09042020
50.	InnoDx Solutions Pvt. Ltd	InnoDetect COVID-19 RT-PCR kit Version 1	COV-21-JU-20
51.	Intron Biotechnology, Korea (Loften India Pvt Ltd)	LiliF COVID-19 Real Time RT-PCR kit	H215051153
52.	Lab Care Diagnostics (India) Pvt. Ltd., Mumbai, India	Accucare COVID-19 One-step RT-pCR kit	RPCR200401 RPCR200402
53.	LabGenomics , South Korea	LabGun Real Time PCR Kit	COV20D001 COV20D002 COV20D004 COV20D006
54.	Lab Genomics Co Ltd, Republic of Korea (Siemens Healthcare Private Limited)	LabGun COVID-19 Assay plus	CVA 20E001
55.	Lab Genomics Co Ltd, Republic of Korea (Siemens Healthcare Private Limited)	LabGun™ COVID-19 ExoFast RT- PCR Kit	CVF20G001
56.	Lifespan Biotech Pvt Ltd	LS COVID-19 RT-qPCR kit	VLC20002
57.	Lifespan Biotech Pvt Ltd	LS COVID-19 RT-qPCR Multiplex Kit	LSMX20200621
58.	Lipomic Healthcare Pvt. Ltd., New Delhi	Lipomic COVID-19 multiplex Realtime RT-PCR Kit	LIPO-001



59.	LLC Art Biotech	Art Test COVID-19 kit	C19300320
60.	Maccura Biotechnology Co Ltd China (Eris Lifesciences Ltd)	SARS-CoV-2 Nucleic Acid Detection Kit (Flourescent PCR)	0420131
61.	Med Achievers Private Limited, Noida, Uttar Pradesh, India	Genome Analyst SARS-CoV-2 detection kit	Lot No. GA0306-20-A, Batch No. MGA202003006
62.	Medsorce Ozone Biomedicals	COVID-19 RT-PCR kit	20200433
63.	Meril Diagnostics	Meril COVID-19 One-step RT-PCR Kit	MRD091 MRD097 MRD098 M1052007
64.	Micobiomed Co. Ltd, Korea (POCT Services Pvt Ltd)	Veri-Q COVID-19 Multiplex Detection Kit	M2243a20DN1FA
65.	Micobiomed Co. Ltd, Korea (POCT Services Pvt Ltd)	Veri-Q nCOV-QM COVID-19 Multiplex Detection Kit	M224320EN1HB
66.	M.J.Biopharm Pvt. Ltd	MJ Coronavirus (COVID-19) RT-qPCR Kit	RTPCR0520AB21
67.	Mylab Discovery Solutions, Pune, India	Patho Detect	PP00005-C-0320001 PP00005-C-0420001 PP00005-C-0320002 PP00005-C-0420002
68.	Mylab Discovery solutions, Pune, India	Pathodetect (Two tube assay)	PP00005-C-0520003
69.	Mylab Discovery solutions, Pune, India	Pathodetect Coronavirus (COVID-19) Qualitative PCR Kit	PP00005-C-070001E
70.	NovaTec Immunodiagnostica, Germany (Eurofins Amar Immunodiagnosics Pvt. Ltd)	GSD NovaPrime SARS-COV-2 (COVID- 19) RT-PCR	PCOV6030-005G, PCOV6030-005-1, PCOV6030-006
71.	OSANG Health Care, South Korea	Gene Finder COVID-19	2003-R45-22
72.	Oscar Medicare Pvt. Ltd., New Delhi, India	COVID-19 RT-PCR Kit	OSCOV-003 Catalog No. OSCOV-96
73.	Perkin Elmer, Finalnd	SARS-CoV-2 RT-qPCR Reagent Kit	680613 680415 680694
74.	Pishtaz Teb Zaman Diagnostics, Iran (Corevyan Private limited)	COVID-19 One-step RT-PCR kit	99001
75.	POCT Services Private Limited	Q-Line Molecular ER nCOV-19 RT- PCR Kit	M200702
76.	POCT Services Pvt. Limited, Lucknow, India	Q-line Molecular Coronavirus (COVID- 19) RT-PCR kit	P200401
77.	Primer Design, UK	Z-Path Covid-19C (Genesig)	JN-02780-0011



78.	Progenie Molecular , Spain (CliniExperts Services Private Limited, New Delhi)	RealCycler Coronavirus SARS-CoV-2 (ORF8+ E gene)	RC1405
79.	QuantuMdx, United Kingdom (Ally-Bio Private Limited)	QuantuMDx SARS-CoV-2 RT PCR Detection Assay	P01090
80.	Roche Diagnostics , Switzerland	Light Mix Modular SARS-CoV-2 (COVID19) RdRp	48492015
81.	Sansure Biotech Inc., Changsha, China	Novel Coronavirus(2019-nCoV) Nucleic Acid Diagnostic Kit (PCR-Fluorescence Probing)	2020029/S3102E
82.	Seegene, South Korea	Allplex 2019-nCoV assay	RP4520A01 RP4520D34 RP4520D47 RP4520D50 RP4520D51 RP4529D70
83.	Sentinel Diagnostics, Italy	STAT-NAT COVID-19 B Realtime RT- PCR Kit	00310 00324 00365
84.	SD Biosensor, South Korea	nCoV Real-Time Detection kit	MNCO 0120004 MNCO0120009
85.	Shenzen Uni-Medica Technology Co. Ltd (Vishat Diagnostics Pvt Ltd)	Real Time PCR Kit for Novel Coronavirus 2019-nCoV (ORF1ab, N)	20200602
86.	SNP Biotechnology R&D Ltd, Turkey (Wockhardt Ltd)	COVID-19 Real Time PCR kit v1	2006R2
87.	Triviron healthcare Pvt Ltd	Covidsure Pro Multiplex RT-PCR kit	COVID-M-001
88.	Triviron healthcare Pvt Ltd	COVIDsure Multiplex Realtime RT-PCR kit	COVID-C-T-004
89.	Wuhan Easy Diagnosis Biomedicine Co. Ltd	COVID-19 (SARS-CoV-2) Nucleic acid test kit	200401HW
90.	YOUSEQ, UK	COVID19 E,N,RdRp & S gene Multiplex qPCR kit	YSM1641
91.	ZyBio Inc, China (Biodx healthcare)	Zybio SARS-CoV-2 NA detection kit	200201

*Above listed kits are validated with the mentioned batch number only. The tests have been performed as per the manufacturer's instructions. Responsibility for batch to batch consistency lies with the manufacturer.

Real-Time PCR kits which are US-FDA can be used directly after due marketing approval from DCGL. The complete list of US-FDA SARS-CoV-2 real time PCR kits is available at (<https://www.finddx.org/covid-19/pipeline/>).