



Date: 07/07/2020

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

Till date, 151 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.	Ajay Bio-Tech (India) Ltd.	PATHOFIND COVID-19 Realtime RT-PCR Kit	20200601
5.	Altona Diagnostics, Germany	RealStar SARS-CoV-2 RT-PCR kit 1.0	023005 024628
6.	Angstrom Biotech Pvt. Ltd, Rajasthan	ANGPCR 2019-nCoV	COVP02
7.	Aura Biotechnologies Private Limited, Chennai	Aura's CORONAVIRUS (COVID-19) Real Time PCR DETECTION KIT	LD12020005
8.	BAG Diagnostics, Germany (Shiva Scientific Company, New Delhi)	ViroQ SARS-CoV-2 (E gene + RdRp)	002VM1
9.	BGI Genomics, China	Real Time Fluorescent RT-PCR Kit for detecting 2019-nCoV	6020200107
10.	Bhat Biotech India Pvt Ltd	GENEASY COVID-19 RT-PCR Kit	COVID20200601
11.	Biogenix INC Pvt Ltd, Lucknow	Biogenix Covid-19 one step RT PCR	20200412
12.	BioGenomics Limited, Thane, India	BIO COVID ID/COVID-19 qualitative PCR detection kit version 2	BGL/IVD/COV/0420/004
13.	BioSewoom, South Korea	Real-Q 2019-nCoV Detection Kit	580L-008
14.	Cepheid, United States	Xpert Xpress SARS-CoV-2	1000191996 1000191998 1000191999
15.	CoSara Diagnostics Pvt. Limited, Ahmedabad, India	SARAGENE™ Corona Virus (2019 NCV) Test Kit	20C11PE-01
16.	Daan Gene Co. Ltd., China	Daan Gene Co. Ltd	2020007



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17.	DNA technology Research & Production, LLC, Russia (365 Medical India)	SARS-CoV-2/SARS-CoV Multiplex Real-Time PCR detection kit	F2005S-2M
18.	DNA Xpert Pvt. Ltd, Noida, India	Xpert Covido 19-Fast RT-PCR kit	XC19-01
19.	EUROIMMUN, UK (CPC Diagnostics Pvt Ltd)	EURO Real Time SARS CoV-2	I200428CF
20.	GCC Biotech Pvt. Ltd, 24 Parganas, West Bengal, India	DiagSure nCoV-19 Detection assay (Taqman based)	20115K1278 20115k1251
21.	GeneMatrix, South Korea	NeoPlex COVID-19 detection kit	NR05A
22.	Gene Path Diagnostics	GenePath CoViDx One RT-qPCR v2.1.1	20200504A
23.	General Biologicals Corporation, Taiwan (Innvolution Limited, New Delhi)	GB SARS-CoV-2 Real Time PCR (E + ORF1ab gene + IC)	PVT6068
24.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT II Multiplex real time RT-PCR for COVID-19	G2M2001
25.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT Multiplex Real-Time PCR kit	G2M1001
26.	Genestore, France	Detection Expert 1S © SARS CoV-2 One Step rRT-PCR Kit	DII.31519.3.0000001
27.	Genome Diagnostics Pvt. Ltd., New Delhi, India	Genosens nCOV 2019 Real time PCR kit	CoV-002/20
28.	Gland Pharma Ltd., Hyderabad	RT PCR SARS-CoV-2	20200406
29.	Helini Biomolecules, Chennai, India	Helini Coronavirus [COVID-19] Real time-PCR Kit	01/2020 MFD: 04/20
30.	Helini Biomolecules, Chennai	Helini Coronavirus Real-Time PCR kit [RdRp & ORF gene – Dual target-single tube assay]	01/2020, 02/2020, 03/2020
31.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus CoV detection KIT Ver 2.0	QLCNAV0620 QLCNAV0920
32.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus Multiplex COVID-19 detection kit	QLCNM0120.2
33.	JN Medsys Pte Ltd, Singapore	Protect COVID-19 RT-qPCR Kit	RD 202004-001
34.	KILPEST (3B BlackBio Biotech India Ltd., Bhopal, India)	TRUPCR SARS-CoV-2RT-qPCR kit version 2	CoV-19/V2/2020/01
35.	Kogene Biotech, Seoul, Korea	Power Check 2019 nCoV Real Time PCR Kit	R6900TD200423
36.	Indian Institute of Technology, Delhi, India	Covid 19 Probe-free Real Time PCR Diagnostic Kit	09042020
37.	InnoDx Solutions Pvt. Ltd	InnoDetect COVID-19 RT-PCR kit Version 1	COV-21-JU-20



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38.	Intron Biotechnology, Korea (Loften India Pvt Ltd)	LiliF COVID-19 Real Time RT-PCR kit	H215051153
39.	Lab Care Diagnostics (India) Pvt. Ltd., Mumbai, India	Accucare COVID-19 One-step RT-pCR kit	RPCR200401 RPCR200402
40.	LabGenomics , South Korea	LabGun Real Time PCR Kit	COV20D001 COV20D002 COV20D004 COV20D006
41.	Lab Genomics Co Ltd, Republic of Korea (Siemens Healthcare Private Limited)	LabGun COVID-19 Assay plus	CVA 20E001
42.	Lifespan Biotech Pvt Ltd	LS COVID-19 RT-qPCR kit	VLC20002
43.	Lipomic Healthcare Pvt. Ltd., New Delhi	Lipomic COVID-19 multiplex Realtime RT-PCR Kit	LIPO-001
44.	LLC Art Biotech	Art Test COVID-19 kit	C19300320
45.	Maccura Biotechnology Co Ltd China (Eris Lifesciences Ltd)	SARS-CoV-2 Nucleic Acid Detection Kit (Flourescent PCR)	0420131
46.	Med Achievers Private Limited, Noida, Uttar Pradesh, India	Genome Analyst SARS-CoV-2 detection kit	Lot No. GA0306-20-A, Batch No. MGA202003006
47.	Medsources Ozone Biomedicals	COVID-19 RT-PCR kit	20200433
48.	Meril Diagnostics	Meril COVID-19 One-step RT-PCR Kit	MRD091 MRD097 MRD098 M1052007
49.	Mylab Discovery Solutions, Pune, India	Patho Detect	PP00005-C-0320001 PP00005-C-0420001 PP00005-C-0320002 PP00005-C-0420002
50.	Mylab Discovery solutions, Pune, India	Pathodetect (Two tube assay)	PP00005-C-0520003
51.	Mylab Discovery solutions, Pune, India	Pathodetect Coronavirus (COVID-19) Qualitative PCR Kit	PP00005-C-070001E
52.	OSANG Health Care, South Korea	Gene Finder COVID-19	2003-R45-22
53.	Pishtaz Teb Zaman Diagnostics, Iran (Corevyan Private limited)	COVID-19 One-step RT-PCR kit	99001
54.	POCT Services Pvt. Limited, Lucknow, India	Q-line Molecular Coronavirus (COVID-19) RT-PCR kit	P200401
55.	Primer Design, UK	Z-Path Covid-19C (Genesig)	JN-02780-0011



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56.	Progenie Molecular , Spain (CliniExperts Services Private Limited, New Delhi)	RealCycler Coronavirus SARS-CoV-2 (ORF8+ E gene)	RC1405
57.	Roche Diagnostics , Switzerland	Light Mix Modular SARS-CoV-2 (COVID19) RdRp	48492015
58.	Sansure Biotech Inc., Changsha, China	Novel Coronavirus(2019-nCoV) Nucleic Acid Diagnostic Kit (PCR-Fluorescence Probing)	2020029/S3102E
59.	Seegene, South Korea	Allplex 2019-nCoV assay	RP4520A01 RP4520D34 RP4520D47 RP4520D50 RP4520D51 RP4529D70
60.	Sentinel Diagnostics, Italy	STAT-NAT COVID-19 B Realtime RT-PCR Kit	00310 00324 00365
61.	SD Biosensor, South Korea	nCoV Real-Time Detection kit	MNCO 0120004 MNCO0120009
62.	SNP Biotechnology R&D Ltd, Turkey (Wockhardt Ltd)	COVID-19 Real Time PCR kit v1	2006R2
63.	Triviron healthcare Pvt Ltd	Covidsure Pro Multiplex RT-PCR kit	COVID-M-001
64.	Triviron healthcare Pvt Ltd	COVIDsure Multiplex Realtime RT-PCR kit	COVID-C-T-004
65.	Oscar Medicare Pvt. Ltd., New Delhi, India	COVID-19 RT-PCR Kit	OSCOV-003 Catalog No. OSCOV-96
66.	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
67.	YOUSEQ, UK	COVID19 E,N,RdRp & S gene Multiplex qPCR kit	YSM1641
68.	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 DCGI. The complete list of US-FDA SARS-CoV-2 real time PCR kits is available at (<https://www.finddx.org/covid-19/pipeline/>).