



भारतीय आयुर्विज्ञान अनुसंधान परिषद
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

Indian Council of Medical Research
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

Date: 16/12/2020

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

Till date, 313 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.	AB Diagnopath Mfg. Pvt. Ltd, Delhi, India	InnoDetect Covid-19 RT-PCR Kit	ABDM/R&D01/COVRTPCR
3.	Accelerate Technologies Pte.ltd (DxD Hub), Singapore	A*STAR FORTITUDE KIT 2.0	200304 200402
4.	Accurex Biomedical Pvt Ltd, Palghar, Maharashtra	Accurex SARS COVID-19 RT-PCR Assay	CRV1D001
5.	Accurex Biomedical Pvt Ltd, Palghar, Maharashtra	Novel Coronavirus (2019-nCoV) Nucleic Acid Detection Kit (Fluorescence PCR Method)	DCRPT001
6.	ADALTIS S.r.l, Italy (PUG Capital Private Limited)	MOLgen SARS CoV-2 Realtime RT-PCR kit	20167
7.	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
8.	ADT Biotech Sdn. Bhd. (ADT India Private Limited)	LyteStar 2019-nCoV RT-PCR Kit 2.0	nCoV-2008-01ST
9.	Advanced Molecular Diagnostics (AMD), UK (Diagnostic Biosystems)	Zena Max SARS-CoV-2 Direct qPCR Detection Kit	0011382
10.	Affigenix Biosolutions Pvt. Ltd, Bangalore	Affigenix Covid 19 test (ACT) kit	AFDX1000602
11.	Affigenix Biosolutions Pvt Ltd, Bangalore, India	AFFIGENIX COVID 19 TEST (ACT-1) (3 Genes MULTIPLEX KIT)	MX07/3G/08_MFG
12.	Agappe Diagnostics Ltd, Kerala, India	Agappe Real Time RT – LAMP COVID 19 Testing Kit	R008003
13.	Ajay Bio-Tech (India) Ltd.	PATHOFIND COVID-19 Realtime RT-PCR Kit	20200601



Sl. No	Name of Company	Name of the Kit	*Batch Number
14.	AITbiotech Pte Ltd, Singapore (Hiddenite Beverages Private Limited)	abTES™ COVID-19 qPCR I Kit	L141-57
15.	AITbiotech Pte Ltd, Singapore (Hiddenite Beverages Private Limited)	abTES COVID-19 qPCR I Kit (v1.1)	L141-173
16.	Altona Diagnostics, Germany	RealStar SARS-CoV-2 RT-PCR kit 1.0	023005 024628
17.	Angstrom Biotech Pvt. Ltd, Rajasthan	ANGPCR 2019-nCoV	COVP02
18.	Aspen Laboratories Pvt. Ltd, New Delhi (Deep Meditech Pvt Ltd)	Aspen SARS-CoV-2 Nucleic acid detection kit (PCR- Fluorescent probe method)	07020
19.	Athenese-Dx Private Limited, Tamil Nadu	Aridia CoVid-19 Real Time PCR Detection Kit	AP1708201
20.	Aura Biotechnologies Private Limited, Chennai	Aura's CORONAVIRUS (COVID-19) Real Time PCR DETECTION KIT	LD12020005
21.	Avience Biomedicals Pvt Ltd, Delhi	AvienBio COVID-19 RT PCR Assay	AV-000001
22.	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
23.	BAG Diagnostics, Germany (Shiva Scientific Company, New Delhi)	ViroQ SARS-CoV-2 (E gene + RdRp)	002VM1
24.	BGI Genomics, China	Real Time Fluorescent RT-PCR Kit for detecting 2019-nCoV	6020200107
25.	Bhat Biotech India Pvt Ltd	GENEASY COVID-19 RT-PCR Kit	COVID20200601
26.	Biogenix INC Pvt Ltd, Lucknow	Biogenix Covid-19 one step RT PCR	20200412
27.	BioGenomics Limited, Thane, India	BIO COVID ID/COVID-19 qualitative PCR detection kit version 2	BGL/IVD/COV/0420/004
28.	Bioneer Corporation, South Korea (Wevio Global Private Limited)	AccuPower SARS-CoV-2 Real Time RT-PCR Kit	200331E
29.	Bioneer Corporation, South Korea (Wevio Global Private Limited)	AccuPower SARS-CoV-2 Multiplex Real Time RT-PCR Kit	200231G
30.	Bioneer Corporation, South Korea (Effibar India Private Limited)	AccuPower SARS-CoV-2 Real Time RT-PCR Kit	200231E
31.	BioSewoom, South Korea	Real-Q 2019-nCoV Detection Kit	580L-008
32.	BioSystems Diagnostics Pvt. Ltd	Concepta COVID-19 Multiplex RT PCR Kit	P-T 01
33.	Cancer Rop Co. Ltd (Anjanajyoti Systems Private Limited)	Q Sens 2019-nCoV Detection Kit	Q-12C



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34.	ChemGenes Corporation, USA (ChemGenes India Pvt. Ltd)	ChemGenes IQ-4 SARS CoV-2 Multiplex Kit	IQ4-CVD_MPDB-1020 [IQ4-xxx-L10320]
35.	Cepheid, United States	Xpert Xpress SARS-CoV-2	1000191996 1000191998 1000191999
36.	Cepheid, United States (Cepheid India Private Limited)	Xpert Xpress SARS-CoV-2	1000206864
37.	CoSara Diagnostics Pvt. Limited, Ahmedabad, India	SARAGENE COVID-19 V.2 Real Time PCR Test Kit	20K12PE-01
38.	CoSara Diagnostics Pvt. Limited, Ahmedabad, India	SARAGENE™ Corona Virus (2019 NCV) Test Kit	20C11PE-01
39.	Daan Gene Co. Ltd., China	Daan Gene Co. Ltd	2020007
40.	DiagSure nCOV 19 Detection assay (Multiplex Taqman)	GCC Biotech India Private Limited	20115K1310
41.	Diasolex Solutions LLP, Karnataka, India	DX-CoV-2 RT-PCR kit	DX0001
42.	DNA technology Research & Production, LLC, Russia (365 Medical India)	SARS-CoV-2/SARS-CoV Multiplex Rteal-Time PCR detection kit	F2005S-2M
43.	DNA Xpert Pvt. Ltd, Noida, India	Xpert Covido 19-Fast RT-PCR kit	XC19-01
44.	DNA Xpert Pvt. Ltd, Noida, India	Xperts Covido19 Multiplex RT-PCR kit	MP-20-01
45.	1Drop Inc, Korea (Nandan Exports & Imports Private Limited)	1copy COVID-19 qPCR Triplex Kit	M230H1900
46.	EUROIMMUN, UK (CPC Diagnostics Pvt Ltd)	EURO Real Time SARS CoV-2	I200428CF
47.	Equine Biotech, Karnataka (EBT PVT LTD)	Global COVID 19 Kit	EBT002
48.	GCC Biotech Pvt. Ltd, 24 Parganas, West Bengal, India	DiagSure nCOV-19 Detection assay (Taqman based)	20115K1278 20115k1251
49.	GeneMatrix, South Korea	NeoPlex COVID-19 detection kit	NR05A
50.	Gene Path Diagnostics, Pune, India	GenePath CoViDx One RT-qPCR v2.1.1	20200504A
51.	Gene Proof, Czech Republic	Gene Proof SARS-CoV-2 Screening PCR kit	2025671 2025455
52.	Gene Proof, Czech Republic	Gene Proof SARS-CoV-2 PCR kit	2025500
53.	GeneReach Biotechnology Corporation, Taiwan (Padmanabha Labs Pvt. Ltd.)	IQ Real SARS-CoV-2 Qualitative System	031320



Sl. No	Name of Company	Name of the Kit	*Batch Number
54.	General Biologicals Corporation, Taiwan (Innvolution Limited, New Delhi)	GB SARS-CoV-2 Real Time PCR (E + ORF1ab gene + IC)	PVT6068
55.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT II Multiplex real time RT-PCR for COVID-19	G2M2001
56.	Genes2me Pvt Ltd, Gurugram, Haryana	VIRALDTECT Multiplex Real-Time PCR kit	G2M1001
57.	Genestore, France	Detection Expert 1S © SARS CoV-2 One Step rRT-PCR Kit	DII.31519.3.0000001
58.	Genesystem Co., Ltd, South Korea (Genetix Biotech Asia Pvt Ltd)	SMARTCHEK Novel Coronavirus (SARS-CoV-2) Detection Kit	SC-ZA310A-C-100
59.	Genetix Biotech Asia Pvt Ltd, New Delhi, India	COVISure COVID-19 Real Time PCR Kit	G1T20.G.101
60.	Genetix Biotech Asia Pvt Ltd, New Delhi, India	COVISure (Lyo Mix) COVID19 Real Time PCR Kit	PDT1T20.I.301
61.	Genetix Biotech Asia Pvt Ltd, New Delhi, India	COVISure (version 2.0) COVID19 Real Time PCR Kit	CWZ.1T20.I.301
62.	Genome Diagnostics Pvt. Ltd., New Delhi, India	Genosens nCOV 2019 Real time PCR kit	CoV-002/20
63.	Genores Biotech Pvt Ltd, Maharashtra, India	GenoCoV	G/GC/20/0006
64.	Gland Pharma Ltd., Hyderabad	RT PCR SARS-CoV-2	20200406
65.	Guangdong Ardent Biomed Co., Ltd, Hong Kong (Biotime Healthcare Private Limited)	Novel Coronavirus (COVID-19) Nucleic Acid Detection Kit (PCR-Fluorescent Probe)	V20200609
66.	HA Tech Biopharma & Diagnostics, Australia (RLT Group Services)	SARS-CoV-2 RT-PCR Multiplex Diagnostic Kit	NAT-01-200901
67.	Helini Biomolecules, Chennai, India	Helini Coronavirus [COVID-19] Real time-PCR Kit	01/2020 MFD: 04/20
68.	Helini Biomolecules, Chennai	Helini Coronavirus Real-Time PCR kit [RdRp & ORF gene – Dual target-single tube assay]	01/2020, 02/2020, 03/2020
69.	Himedia Laboratories Pvt. Ltd., Maharashtra, India	Hi-PCR® Coronavirus (COVID-19) Multiplex Probe PCR Kit	0000453574
70.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus CoV detection KIT Ver 2.0	QLCNAV0620 QLCNAV0920
71.	Huwel Lifesciences Pvt. Ltd., Hyderabad, India	Quantiplus Multiplex COVID-19 detection kit	QLCNM0120.2



Sl. No	Name of Company	Name of the Kit	*Batch Number
72.	iNtRON Biotechnology, Inc., Korea (Loften India Pvt Ltd)	LiliF COVID-19 Multi Real-time RT-PCR Kit	H215060553
73.	JITM Skills Private Limited, New Delhi, India	JITM COVID-19 Detection Kit	JJ15052003
74.	JN Medsys Pte Ltd, Singapore	Protect COVID-19 RT-qPCR Kit	RD 202004-001
75.	Karwa Enterprises Private Limited, Delhi	Karwa SARS-CoV-2 Nucleic Acid Detection Kit	20200213
76.	KILPEST (3B BlackBio Biotech India Ltd., Bhopal, India)	TRUPCR SARS-CoV-2RT-qPCR kit version 2	CoV-19/V2/2020/01
77.	Kogene Biotech, Seoul, Korea	Power Check 2019 nCoV Real Time PCR Kit	R6900TD200423
78.	Kogene Biotech Co. Ltd, Seoul, Korea (Kin Diagnostics)	Powercheck SARS CoV-2 RT PCR Kit	1R6902200602
79.	Indian Institute of Technology, Delhi, India	Covid 19 Probe-free Real Time PCR Diagnostic Kit	09042020
80.	InnoDx Solutions Pvt. Ltd	InnoDetect COVID-19 RT-PCR kit Version 1	COV-21-JU-20
81.	Intron Biotechnology, Korea (Loften India Pvt Ltd)	LiliF COVID-19 Real Time RT-PCR kit	H215051153
82.	Lab Care Diagnostics (India) Pvt. Ltd., Mumbai, India	Accucare COVID-19 One-step RT- pCR kit	RPCR200401 RPCR200402
83.	LabGenomics , South Korea	LabGun Real Time PCR Kit	COV20D001 COV20D002 COV20D004 COV20D006
84.	Lab Genomics Co Ltd, Republic of Korea (Siemens Healthcare Private Limited)	LabGun COVID-19 Assay plus	CVA 20E001
85.	Lab Genomics Co Ltd, Republic of Korea (Siemens Healthcare Private Limited)	LabGun™ COVID-19 ExoFast RT- PCR Kit	CVF20G001
86.	Lifespan Biotech Pvt Ltd, Madhya Pradesh, India	LS COVID-19 RT-qPCR kit	VLC20002
87.	Lifespan Biotech Pvt Ltd, Madhya Pradesh, India	LS COVID-19 RT-qPCR Multiplex Kit	LSMX20200621
88.	Lipomic Healthcare Pvt. Ltd., New Delhi	Lipomic COVID-19 multiplex Realtime RT-PCR Kit	LIPO-001
89.	LLC Art Biotech	Art Test COVID-19 kit	C19300320



Sl. No	Name of Company	Name of the Kit	*Batch Number
90.	Maccura Biotechnology Co Ltd China (Eris Lifesciences Ltd)	SARS-CoV-2 Nucleic Acid Detection Kit (Flourescent PCR)	0420131
91.	Med Achievers Private Limited, Noida, Uttar Pradesh, India	Genome Analyst SARS-CoV-2 detection kit	Lot No. GA0306-20-A, Batch No. MGA202003006
92.	Medical and Biological Laboratories (MBL) Co. Ltd, Japan (OSB Agencies Pvt Ltd)	MEBRIGHT SARS-CoV-2 Kit	01FA
93.	Medsorce Ozone Biomedicals, Faridabad, Haryana	COVID-19 RT-PCR kit	20200433
94.	Medsorce Ozone Biomedicals, Faridabad, Haryana	OZOFIND SARS COV2 RT PCR KIT	TLPCOV040920
95.	Meril Diagnostics	Meril COVID-19 One-step RT-PCR Kit	MRD091 MRD097 MRD098 M1052007
96.	MetaDesign Solutions Pvt Ltd, Haryana	Pathkits MDS COVID Detect RTPCR Kit	MDS/PCR/COV/11/20
97.	Micobiomed Co. Ltd, Korea (POCT Services Pvt Ltd)	Veri-Q COVID-19 Multiplex Detection Kit	M2243a20DN1FA
98.	Micobiomed Co. Ltd, Korea (POCT Services Pvt Ltd)	Veri-Q nCOV-QM COVID-19 Multiplex Detection Kit	M224320EN1HB
99.	M.J.Biopharm Pvt. Ltd	MJ Coronavirus (COVID-19) RT-qPCR Kit	RTPCR0520AB21
100.	Molbio Diagnostics Private Limited, India	Truemix Covid 19	ETMXCD01
101.	Mylab Discovery Solutions, Pune, India	Patho Detect	PP00005-C-0320001 PP00005-C-0420001 PP00005-C-0320002 PP00005-C-0420002
102.	Mylab Discovery solutions, Pune, India	Pathodetect (Two tube assay)	PP00005-C-0520003
103.	Mylab Discovery solutions, Pune, India	Pathodetect Coronavirus (COVID-19) Qualitative PCR Kit	PP00005-C-070001E
104.	NeoDx Biotech Labs Private Limited, India (DSS Imagetech Pvt Ltd)	CoviDx mPlex-4R SARS-CoV-2 RT-PCR Detection Kit	CM4R-030820
105.	NeoDx Biotech Labs Private Limited, India	CoviDx mPlex-3NC SARS-CoV-2 RT-PCR Detection Kit	CM3NC-140820
106.	NeoDx Biotech Labs Private Limited, India	CoviDxTM mPlex-3NR SARS-CoV-2 RT-PCR Detection Kit	CM3NR-120820
107.	NeoDx Biotech Labs Private Limited, India	CoviDx Detect SARS-CoV-2 RT-PCR Detection Kit	CDD3NR20111



Sl. No	Name of Company	Name of the Kit	*Batch Number
108.	NeoDx Biotech Labs Private Limited, India	CoviDx Assure SARS-CoV-2 RT-PCR Detection Kit	CDA3NR20111
109.	Ningbo Health Gene Technologies Co., Ltd. (The Rising Medicare Private Limited)	SARS-CoV-2 Virus detection Diagnostic Kit (RT-qPCR Method) Version 1.0	200522006
110.	NovaTec Immunodiagnostica, Germany (Eurofins Amar Immunodiagnostics Pvt. Ltd)	GSD NovaPrime SARS-COV-2 (COVID-19) RT-PCR	PCOV6030-005G, PCOV6030-005-1, PCOV6030-006
111.	Nucleus Diagnosys LLP, Gujarat, India	SARS CoV-2 Triplex PCR Kit	RD2762001
112.	OSANG Health Care, South Korea	Gene Finder COVID-19	2003-R45-22
113.	Oscar Medicare Pvt. Ltd., New Delhi, India	COVID-19 RT-PCR Kit	OSCOV-003 Catalog No. OSCOV-96
114.	Perkin Elmer, Finalnd	SARS-CoV-2 RT-qPCR Reagent Kit	680613 680415 680694
115.	Pishtaz Teb Zaman Diagnostics, Iran (Corevyan Private limited)	COVID-19 One-step RT-PCR kit	99001
116.	POCT Services Private Limited	Q-Line Molecular ER nCOV-19 RT-PCR Kit	M200702
117.	POCT Services Pvt. Limited, Lucknow, India	Q-line Molecular Coronavirus (COVID-19) RT-PCR kit	P200401
118.	Primer Design, UK	Z-Path Covid-19C (Genesig)	JN-02780-0011
119.	Progenie Molecular , Spain (CliniExperts Services Private Limited, New Delhi)	RealCycler Coronavirus SARS-CoV-2 (ORF8+ E gene)	RC1405
120.	Promea Therapeutics, Telangana	ProPCR COVID-19 RT-qPCR	TRCV 2001
121.	QuantuMdx, United Kingdom (Ally-Bio Private Limited)	QuantuMDx SARS-CoV-2 RT PCR Detection Assay	P01090
122.	Reliance Industries Limited, India	'R-Green Kit (SARS CoV-2 realtime PCR)	1-2
123.	Reliance Industries Limited, India	R-Green PRO-one: Taqman based real-time PCR Kit	5-1
124.	Roche Diagnostics , Switzerland	Light Mix Modular SARS-CoV-2 (COVID19) RdRp	48492015



Sl. No	Name of Company	Name of the Kit	*Batch Number
125.	Shambhav Medical, Uttar Pradesh	ViroDetect COVID-19 Real-Time PCR Kit	95001001
126.	Sansure Biotech Inc., Changsha, China	Novel Coronavirus(2019-nCoV) Nucleic Acid Diagnostic Kit (PCR-Fluorescence Probing)	2020029/S3102E
127.	Seegene, South Korea	Allplex 2019-nCoV assay	RP4520A01 RP4520D34 RP4520D47 RP4520D50 RP4520D51 RP4529D70
128.	Sentinel Diagnostics, Italy	STAT-NAT COVID-19 B Realtime RT-PCR Kit	00310 00324 00365
129.	Sentinel Diagnostics, Italy (Kopran Laboratories Limited)	STAT NAT COVID-19 HK (Lyophilized mix for qualitative detection of Novel Corona virus SARS CoV-2 in Realtime RT-PCR)	00420
130.	SD Biosensor, South Korea	nCoV Real-Time Detection kit	MNCO 0120004 MNCO0120009
131.	Shanghai ZJ Bio-Tech Co., Ltd (Life Technologies (India) Pvt Ltd)	LifeRiver Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR Kit	20200601
132.	Shenzen Uni-Medica Technology Co. Ltd (Vishat Diagnostics Pvt Ltd)	Real Time PCR Kit for Novel Coronavirus 2019-nCoV (ORF1ab, N)	20200602
133.	Sidak Life Care Pvt Ltd., Haryana, India	MP RT-PCR Kit – Real Time PCR Kit for COVID-19 RNA	SLC/RT-PCR/0011/20
134.	SNP Biotechnology R&D Ltd, Turkey (Wockhardt Ltd)	COVID-19 Real Time PCR kit v1	2006R2
135.	Stellence Pharmsciences Pvt Ltd	Stellence Covid-19 RT-qPCR Kit	027032
136.	TranScience Innovative Technologies, Chennai	TrueScreen COVID-19 Multiplex Real Time PCR Detection Kit	TS0820-01
137.	Trivitron healthcare Pvt Ltd	Covidsure Pro Multiplex RT-PCR kit	COVID-M-001
138.	Trivitron healthcare Pvt Ltd	COVIDsure Multiplex Realtime RT-PCR kit	COVID-C-T-004
139.	uBio Biotechnology Systems Private Limited	ViraGEN Molecular Diagnostics Covid-19 Real- Time RT-PCR kit	UBMD0072001
140.	Vitane Biologics Pvt Ltd, Telangana	CovTect COVID-19 Qualitative PCR Kit	VBRT004
141.	Vitro S.A., Spain (DSS Imagetech Private Ltd.)	SARS-CoV-2 RT-PCR Kit	COVP006
142.	Wuhan Easy Diagnosis Biomedicine Co. Ltd	COVID-19 (SARS-CoV-2) Nucleic acid test kit	200401HW
143.	YD Diagnostics Corp., Korea (POCT Services Private Limited)	MolecuTech Real time COVID-19 RT-PCR kit	M2042011



Sl. No	Name of Company	Name of the Kit	*Batch Number
144.	YOUSEQ, UK	COVID19 E,N,RdRp & S gene Multiplex qPCR kit	YSM1641
145.	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/>).