

Laboratory	Sample Population	Test Name	Manufacturer	Sample Size	Total Pos	Total Neg	True Pos	True Neg	PPA (Sens)	NPA (Spec)
Wadsworth Center, New York State Department of Health	Confirmed COVID-19 patients	ID NOW COVID-19	Abbott Diagnostics Inc.	61	46	15	33	15	71.7%	100.0%
Stanford University School of Medicine	Confirmed COVID-19 patients	ID NOW COVID-19	Abbott Diagnostics Inc.	100	51	49	41	47	80.4%	95.9%
Northwell Health Laboratories	Symptomatic patients	ID NOW COVID-19	Abbott Diagnostics Inc.	107	57	50	50	50	87.7%	100.0%
Rush University Medical Center or Rush Oak Park Hospital	Symptomatic patients	ID NOW COVID-19	Abbott Diagnostics Inc.	198	119	79	94	79	79.0%	100.0%
University of Texas Southwestern Medical Center	Symptomatic patients	ID NOW COVID-19	Abbott Diagnostics Inc.	579	33	546	26	546	78.8%	100.0%
University of Washington Retrovirology Laboratory at Harborview Medical Center	Confirmed COVID-19 patients	Abbott RealTime SARS-CoV-2 EUA test	Abbott Molecular Inc.	60	30	30	28	30	93.3%	100.0%
Rush University Medical Center or Rush Oak Park Hospital	Symptomatic patients	Abbott RealTime SARS-CoV-2 EUA test	Abbott Molecular Inc.	198	119	79	119	73	100.0%	92.4%
Beth Israel Deaconess Medical Center	Suspected and confirmed COVID-19 cases	Abbott RealTime SARS-CoV-2 EUA test	Abbott Molecular Inc.	308	92	216	41	210	44.6%	97.2%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	UltraGene Combo2Screen SARS-CoV-2 Assay	Advanced Biological Laboratories SA	12	10	2	8	2	80.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	RealStar® SARS-CoV-2 RT-PCR Kit	altona Diagnostics	10	8	2	7	2	87.5%	100.0%
Université de Paris, Assistance Publique	Symptomatic patients	RealStar® SARS-CoV-2 RT-PCR Kit	altona Diagnostics	83	46	37	45	36	97.8%	97.3%
Centre Intégré Universitaire de la Mauricie et Centre du Québec	Symptomatic patients	RealStar® SARS-CoV-2 RT-PCR Kit	altona Diagnostics	88	65	23	65	23	100.0%	100.0%
Hospital Bad Aibling Germany	Confirmed COVID-19 patients	variplex SARS-CoV-2 test system - on Genie II Mk2	Amplex Diagnostics, Germany	109	47	62	8	55	17.0%	88.7%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	Bosphore Novel Coronavirus (2019-nCoV) Detection Kit	Anatolia Geneworks	13	10	3	8	3	80.0%	100.0%
Royal Melbourne Hospital	Symptomatic patients	SARS-CoV-2, Influenza and RSV	AusDiagnostics	675	53	622	53	621	100.0%	99.8%
Department of Microbiology, Monash Health, Clayton, VIC	Symptomatic patients	SARS-CoV-2, Influenza and RSV 8-well	AusDiagnostics	187	127	60	118	59	92.9%	98.3%
The Second Xiangya Hospital, Central South University	Symptomatic patients	Real-time fluorescent RT-PCR kit for 2019 nCoV	BGI Health (HK) Co. Ltd.	242	42	200	38	200	90.5%	100.0%
National Institute for Communicable Diseases (NICD)	Not available	Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	BGI Health (HK) Co. Ltd.	27	20	7	14	7	70.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	BioGX SARS-CoV-2 Open System for BD MAX™	BioGX	10	7	3	7	3	100.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	BioFire COVID-19 Test	bioMérieux SA	15	11	4	11	4	100.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	SARS-COV-2 R-GENE® (ref 423717)	bioMérieux SA	9	6	3	6	3	100.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	VitaPCR™ SARS-CoV-2 Assay	BIOSYNEX S.A.	11	8	3	3	3	37.5%	100.0%

Laboratory	Sample Population	Test Name	Manufacturer	Sample Size	Total Pos	Total Neg	True Pos	True Neg	PPA (Sens)	NPA (Spec)
Centre de Biologie et Pathologie Nord	Not available	VitaPCR™ SARS-CoV-2 Assay	BIOSYNEX S.A.	15	8	7	7	7	87.5%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	Xpert Xpress SARS-CoV-2	Cepheid	8	5	3	5	3	100.0%	100.0%
Hospital Basel Switzerland	Not available	Xpert Xpress SARS-CoV-2	Cepheid	19	10	9	10	9	100.0%	100.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	Xpert Xpress SARS-CoV-2	Cepheid	26	13	13	13	13	100.0%	100.0%
Northwell Health Laboratories	Symptomatic patients	Xpert Xpress SARS-CoV-2	Cepheid	108	58	50	57	50	98.3%	100.0%
Wuhan Tongji Hospital +2	Not available	Xpert Xpress SARS-CoV-2	Cepheid	285	153	132	147	127	96.1%	96.2%
Johns Hopkins University+5	Confirmed COVID-19 patients	Xpert Xpress SARS-CoV-2	Cepheid	481	220	261	219	250	99.5%	95.8%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	VIASURE SARS-CoV-2 Real Time PCR Detection Kit	CerTest Biotec, S.L.	20	18	2	17	2	94.4%	100.0%
Medical University of Graz	Symptomatic patients	VIASURE SARS-CoV-2 S gene RT PCR adapted for BD MAX™	CerTest Biotec, S.L.	95	68	27	47	27	69.1%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	VIASURE SARS-CoV-2 S gene RT PCR adapted for BD MAX™ System	CerTest Biotec, S.L.	10	7	3	5	3	71.4%	100.0%
Hospital Istanbul Turkey	Symptomatic patients	DirectDetect™ SARS-CoV-2 Detection Kit	Coyote Bioscience	59	12	47	5	41	41.7%	87.2%
Hospital Istanbul Turkey	Symptomatic patients	DirectDetect™ SARS-CoV-2 Detection Kit	Coyote Bioscience	98	55	43	30	38	54.5%	88.4%
The Second Xiangya Hospital, Central South University	Symptomatic patients	Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit	DAAN Gene Co., Ltd of Sun Yat-sen University	242	42	200	33	200	78.6%	100.0%
Public Health England (PHE) Cambridge laboratory	Symptomatic patients	SAMBA II COVID-19 Test (near-POC NAT)	Diagnostics for the Real World Ltd	172	91	81	90	81	98.9%	100.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	Simplexa™ COVID-19 Direct RT-PCR Kit	DiaSorin Molecular, LLC	19	11	8	11	8	100.0%	100.0%
National Institute for Infectious Diseases	Symptomatic patients	Simplexa™ COVID-19 Direct RT-PCR Kit	DiaSorin Molecular, LLC	278	99	179	99	171	100.0%	95.5%
Saitama Medical University Hospital, Saitama, Japan	Symptomatic patients	Loopamp® 2019-SARS-CoV-2 Kit	Eiken Chemical	76	30	46	30	44	100.0%	95.7%
UCSD	Symptomatic patients	Fluxergy Sample-to-Answer SARS-CoV-2 RT-PCR	Fluxergy LLC	92	31	61	29	58	93.5%	95.1%
The Second Xiangya Hospital, Central South University	Symptomatic patients	Not available	Fosun Long March Medical Science Co., Ltd	242	42	200	32	200	76.2%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	GeneFirst Ltd	10	8	2	8	2	100.0%	100.0%
Northwell Health Laboratories	Symptomatic patients	ePlex® SARS-CoV-2 Test	GenMark Diagnostics	108	58	50	53	50	91.4%	100.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	Panther Fusion SARS-CoV-2 assay	Hologic	20	10	10	10	9	100.0%	90.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	Panther Fusion SARS-CoV-2 assay	Hologic	46	17	29	16	29	94.1%	100.0%
Nevada State Public Health Laboratory	Symptomatic patients	Panther Fusion SARS-CoV-2 assay	Hologic	112	51	61	50	61	98.0%	100.0%

Laboratory	Sample Population	Test Name	Manufacturer	Sample Size	Total Pos	Total Neg	True Pos	True Neg	PPA (Sens)	NPA (Spec)
The Second Xiangya Hospital, Central South University	Symptomatic patients	Not available	Jiangsu Bioperfectus Technologies Co. Ltd	242	42	200	38	200	90.5%	100.0%
Department of Microbiology, Queen Mary Hospital	Symptomatic patients	NxTAG CoV Extended Panel	Luminex Corporation	214	91	123	89	123	97.8%	100.0%
Mammoth Biosciences, Inc. + University of California, San Francisco	Confirmed COVID-19 patients	SARS-CoV-2 DETECTR	Mammoth Biosciences	21	10	11	9	11	90.0%	100.0%
Clinical Virology Laboratory, Stanford Health Care	Not available	Accula SARS-CoV-2 POCT	Mesa Biotech Inc.	100	50	50	34	50	68.0%	100.0%
One Health Research Group.Universidad de Las Américas	Symptomatic patients	nCOV-QS	MiCo Biomed Co. Ltd	54	33	21	22	21	66.7%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	Amplidiag COVID-19 Kit	Mobidiag	10	8	2	8	2	100.0%	100.0%
Microbiology Department, Basingstoke & North Hampshire Hospital	Not available	genesig Real-Time PCR COVID-19	Novacyt/primer design	57	4	53	4	53	100.0%	100.0%
Hampshire Hospitals NHS Foundation Trust, UK	Symptomatic patients	LAMP-COVID-19	OptiGene Ltd. (Camberley, UK)	114	44	70	33	68	75.0%	97.1%
The Second Xiangya Hospital, Central South University	Symptomatic patients	Not available	Outdo Biotech Co., Ltd	242	42	200	39	200	92.9%	100.0%
The Second Xiangya Hospital, Central South University	Symptomatic patients	PerkinElmer® SARS-CoV-2 Realtime RT-PCR Assay	PerkinElmer Inc.	242	42	200	41	200	97.6%	100.0%
Bichat Claude Bernard Teaching Hospital	Symptomatic patients	QIAstat-Dx Respiratory Panel 2019-nCoV	QIAGEN GmbH	69	40	29	40	27	100.0%	93.1%
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	Symptomatic patients	RainSure COVID-19 dPCR Detection Kit (lab-based)	RainSure Scientific Co., Ltd	108	28	80	25	76	89.3%	95.0%
Hopital Charles Le Moyne	Symptomatic patients	RIDA® GENE SARS-CoV-2 RUO (PG6815RUO)	R-Biopharm AG	20	5	15	5	15	100.0%	100.0%
Manchester Royal Infirmary	Not available	Coronavirus LightMix® Modular SARS and Wuhan CoV E-gene assay	Roche Ltd	165	15	150	15	150	100.0%	100.0%
Centre de Biologie et Pathologie Nord	Confirmed COVID-19 patients	cobas® SARS-CoV-2 (for cobas® 6800/8800)	Roche Molecular Diagnostics	20	15	5	15	5	100.0%	100.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	cobas® SARS-CoV-2 (for cobas® 6800/8800)	Roche Molecular Diagnostics	26	13	13	12	13	92.3%	100.0%
University of Washington Medical Center laboratories	Confirmed COVID-19 patients	cobas® SARS-CoV-2 (for cobas® 6800/8800)	Roche Molecular Diagnostics	40	20	20	20	19	100.0%	95.0%
University Medical Center Hamburg-Eppendorf (UKE)	Confirmed COVID-19 patients	cobas® SARS-CoV-2 (for cobas® 6800/8800)	Roche Molecular Diagnostics	180	93	87	89	86	95.7%	98.9%
University of Ljubljana	Not available	cobas® SARS-CoV-2 (for cobas® 6800/8800)	Roche Molecular Diagnostics	215	61	154	60	151	98.4%	98.1%
National Institute for Communicable Diseases (NICD)	Not available	COVID-19 Nucleic Acid Detection Kit (Multiplex RT PCR)	Sansure Biotech, Inc.	21	16	5	15	4	93.8%	80.0%
The Second Xiangya Hospital, Central South University	Symptomatic patients	Novel Coronavirus (2019-nCoV) Nucleic Acid Diagnostic Kit	Sansure Biotech, Inc.	242	42	200	35	200	83.3%	100.0%
Centre Intégré Universitaire de la Mauricie et Centre du Québec	Symptomatic patients	Allplex 2019-nCoV assay	Seegene, Inc.	88	65	23	64	23	98.5%	100.0%

Laboratory	Sample Population	Test Name	Manufacturer	Sample Size	Total Pos	Total Neg	True Pos	True Neg	PPA (Sens)	NPA (Spec)
Toronto Invasive Bacterial Disease Network (TIBDN)	Symptomatic patients	Allplex 2019-nCoV assay	Seegene, Inc.	91	64	27	44	19	68.8%	70.4%
Stanford Health Care Clinical Virology Laboratory	Symptomatic patients	SHC EUA test	Stanford University	80	26	54	26	50	100.0%	92.6%
National Institute for Communicable Diseases (NICD)	Not available	TaqPath COVID-19 Combo Kit	Thermo Fisher Scientific	33	26	7	13	7	50.0%	100.0%
National Institute for Communicable Diseases (NICD)	Not available	LightMix Modular SARS-CoV-2 (COVID19)	TIB Molbiol/Roche Diagnostics	27	20	7	16	7	80.0%	100.0%
National Institute for Communicable Diseases (NICD)	Not available	YouSeq SARS-COV-2 qPCR Test	YouSeq Ltd	21	16	5	13	5	81.2%	100.0%

FIND Foundation for Innovative New Diagnostic Test performance dashboard. Available from <https://finddx.shinyapps.io/COVID19DxData/>