

## Supplementary Data

FIND Data October 17, 2020

<b>Laboratory</b>	<b>Facility</b>	<b>Country</b>	<b>City</b>	<b>Sample Population</b>	<b>Sample Sub-Population</b>
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Institut Pasteur	Private Laboratory	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available

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Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available

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Centre National de Référence (CNR) Virus des Infections Respiratoires	Public Health	France	Paris	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Not available	Not available
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
University of Washington Medical Center laboratories	Not available	United States of America (USA)	Washington	Confirmed COVID-19 patients	Not available
	Hospital	Switzerland	Basel	Not available	Presumptive COVID-
Centre National de Référence (CNR) des virus des infections respiratoires	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
Hopital Charles Le Moyne	Hospital	Canada	Not available	Symptomatic patients	Mild; Moderate; Sev
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	Public Health	France	Lyon	Confirmed COVID-19 patients	Not available
University of Washington Medical Center laboratories	Not available	United States of America (USA)	Washington	Confirmed COVID-19 patients	Not available
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	Public Health	United States of America (USA)	Not available	Confirmed COVID-19 patients	Not available

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<b>Laboratory</b>	<b>Facility</b>	<b>Country</b>	<b>City</b>	<b>Sample Population</b>	<b>Sample Sub-Population</b>
National Institute for Communicable Diseases (NICD)	Public Health	South Africa	Not available	Not available	Not available
National Institute for Communicable Diseases (NICD)	Public Health	South Africa	Not available	Not available	Not available
University of Washington Medical Center laboratories	Not available	United States of America (USA)	Washington	Confirmed COVID-19 patients	Not available
University of Washington Medical Center laboratories	Not available	United States of America (USA)	Washington	Confirmed COVID-19 patients	Not available
National Institute for Communicable Diseases (NICD)	Public Health	South Africa	Not available	Not available	Not available
National Institute for Communicable Diseases (NICD)	Public Health	South Africa	Not available	Not available	Not available
National Institute for Communicable Diseases (NICD)	Public Health	South Africa	Not available	Not available	Not available
University of Washington Medical Center laboratories	Not available	United States of America (USA)	Washington	Confirmed COVID-19 patients	Not available
One Health Research Group.Universidad de Las Américas	Public Health	Ecuador	Quito	Symptomatic patients	Not available
Microbiology Department, Basingstoke & North Hampshire Hospital	Hospital	Great Britain	Not available	Not available	Not available
	Hospital	Turkey	Istanbul	Symptomatic patients	Moderate; Severe
University of Washington Retrovirology Laboratory at Harborview Medical Center	Hospital	United States of America (USA)	Seattle	Confirmed COVID-19 patients	Not available
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	Public Health	United States of America (USA)	Not available	Confirmed COVID-19 patients	Not available
Bichat Claude Bernard Teaching Hospital	Hospital	France	Paris	Symptomatic patients	Not available

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Saitama Medical University Hospital, Saitama, Japan	Hospital	Japan	Not available	Symptomatic patients	Not available
Stanford Health Care Clinical Virology Laboratory	Public Health	United States of America (USA)	Not available	Symptomatic patients	Not available
Université de Paris, Assistance Publique	Hospital	France	Paris	Symptomatic patients	Not available
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Public Health	Canada	Trois-Rivieres	Symptomatic patients	Not available
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Public Health	Canada	Trois-Rivieres	Symptomatic patients	Not available
Toronto Invasive Bacterial Disease Network (TIBDN)	Public Health	Canada	Toronto	Symptomatic patients	Not available
UCSD	Hospital	United States of America (USA)	San Diego	Symptomatic patients	Not available
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	Public Health	Austria	Graz	Symptomatic patients	Not available
	Hospital	Turkey	Istanbul	Symptomatic patients	Moderate; Severe
Clinical Virology Laboratory, Stanford Health Care	Not available	United States of America (USA)	Stanford	Not available	Asymptomatic; Mild
Stanford University School of Medicine	Public Health	United States of America (USA)	Not available	Confirmed COVID-19 patients	Not available
Northwell Health Laboratories	Not available	United States of America (USA)	New York	Symptomatic patients	Not available
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	Public Health	China	Not available	Symptomatic patients	Not available
Northwell Health Laboratories	Not available	United States of America (USA)	New York	Symptomatic patients	Not available
Northwell Health Laboratories	Not available	United States of America (USA)	New York	Symptomatic patients	Not available
	Hospital	Germany	Bad Aibling	Confirmed COVID-19 patients	Not available



<b>Laboratory</b>	<b>Facility</b>	<b>Country</b>	<b>City</b>	<b>Sample Population</b>	<b>Sample Sub-Population</b>
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Hospital	China	Changsha	Symptomatic patients	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Hospital	China	Changsha	Symptomatic patients	Not available
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	Public Health	Italy	Rome	Symptomatic patients	Not available
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	Hospital	China	Wuhan	Not available	Mild; Moderate; Sev
Beth Israel Deaconess Medical Center	Hospital	United States of America (USA)	Boston	Suspected (based on clinical and/or epi criteria) and confirmed COVID-19 cases	Not available
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	Not available	United States of America (USA)	Not available	Confirmed COVID-19 patients	Not available
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	Hospital	United States of America (USA)	Dallas	Symptomatic patients	Not available
Department of Microbiology, Royal Melbourne Hospital	Hospital	Australia	Melbourne	Symptomatic patients	Not available

Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Institut Pasteur	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate

Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools tested once Intermediate concentration/negative pools tested in triplicate Low concentration pools tested x5
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools tested: x1 Intermediate concentration pools tested: x4 or x5 Negative pools tested: x2
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Centre National de Référence (CNR) Virus des Infections Respiratoires	Nasopharyngeal swabs	Retrospective set	RT-PCR	High concentration pools: tested once; Low/neg concentration pools: tested in triplicate

Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
Centre National de Référence (CNR) Virus des Infections Respiratoires	Respiratory specimen	Retrospective set	RT-PCR	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Retrospective set	RT-PCR	No replicates
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Nasopharyngeal swabs; Tracheal aspirate	Retrospective set	RT-PCR	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Nasopharyngeal swabs; Deep respiratory specimen	Prospectively collected set	RT-PCR	No replicates
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	Nasopharyngeal swabs	Retrospective set	RT-PCR	Triplicates
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
	Nasopharyngeal swabs	Not available	RT-PCR	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Respiratory specimen	Retrospective set	RT-PCR	No replicates
Hopital Charles Le Moyne	Nasopharyngeal swabs; Oropharyngeal swabs	Prospectively collected set	RT-PCR	No replicates
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	Nasopharyngeal swabs; Oropharyngeal swabs	Prospectively collected set	RT-PCR	No replicates

Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
National Institute for Communicable Diseases (NICD)	Nasopharyngeal swabs	Not available	RT-PCR	No replicates
National Institute for Communicable Diseases (NICD)	Nasopharyngeal swabs	Not available	RT-PCR	No replicates
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
National Institute for Communicable Diseases (NICD)	Nasopharyngeal swabs	Not available	RT-PCR	No replicates
National Institute for Communicable Diseases (NICD)	Nasopharyngeal swabs	Not available	RT-PCR	No replicates
National Institute for Communicable Diseases (NICD)	Nasopharyngeal swabs	Not available	RT-PCR	No replicates
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
University of Washington Medical Center laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
One Health Research Group.Universidad de Las Américas	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Microbiology Department, Basingstoke & North Hampshire Hospital	Nasopharyngeal swabs; Oropharyngeal swabs	Not available	RT-PCR	Not available
	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	No replicates
University of Washington Retrovirology Laboratory at Harborview Medical Center	Nasopharyngeal swabs; Nasal swabs	Retrospective set	RT-PCR	Not available
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
Bichat Claude Bernard Teaching Hospital	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available

Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
Saitama Medical University Hospital, Saitama, Japan	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Stanford Health Care Clinical Virology Laboratory	Nasopharyngeal swabs	Not available	RT-PCR	Not available
Université de Paris, Assistance Publique	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Nasopharyngeal swabs; Oropharyngeal swabs	Prospectively collected set	Not available	No replicates
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Nasopharyngeal swabs; Oropharyngeal swabs	Prospectively collected set	Not available	Not available
Toronto Invasive Bacterial Disease Network (TIBDN)	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
UCSD	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	Nasopharyngeal swabs; Oropharyngeal swabs	Prospectively collected set	RT-PCR	Not available
	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	No replicates
Clinical Virology Laboratory, Stanford Health Care	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Stanford University School of Medicine	Nasopharyngeal swabs	Not available	RT-PCR	Not available
Northwell Health Laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	Pharyngeal swabs	Prospectively collected set	RT-PCR	Not available
Northwell Health Laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
Northwell Health Laboratories	Nasopharyngeal swabs	Retrospective set	RT-PCR	Not available
	Nasopharyngeal swabs; Oropharyngeal swabs	Retrospective set	RT-PCR	No replicates



Laboratory	Reference Sample Type	Sample Set	Reference	
			Method	Repeats
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Oropharyngeal swabs; Fecal sample	Retrospective set	Clinical exar	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Oropharyngeal swabs; Fecal sample	Retrospective set	Clinical exar	Not available
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	Nasopharyngeal swabs; Nasal swabs	Prospectively collected set	RT-PCR	Not available
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	Oropharyngeal swabs	Retrospective set	RT-PCR	Triplicates
Beth Israel Deaconess Medical Center	Nasopharyngeal swabs	Prospectively collected set	RT-PCR	No replicates
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	Nasopharyngeal swabs; Oropharyngeal swabs; Tracheal aspirate	Prospectively collected set	RT-PCR	Not available
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	Nasopharyngeal swabs	Retrospective set	RT-PCR	No replicates
Department of Microbiology, Royal Melbourne Hospital	Bronchoalveolar lavage; Nasopharyngeal swabs; Oropharyngeal swabs; Sputum; Tracheal aspirate	Prospectively collected set	RT-PCR	Not available

## Supplementary Data

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<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	EurobioPlex SARS-CoV-2 Multiplex
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	SARS-CoV-2 Real Time PCR LAB-KIT™
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	SARS-COV-2 R-GENE® (ref 423717)
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	TaqMan™ 2019-nCoV Assay Kit v1
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	TaqPath COVID-19 Combo Kit
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	RIDA® GENE SARS-CoV-2 RUO (PG6815RUO)
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	RIDA® GENE SARS-CoV-2 RUO (PG6815RUO)
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	genesig Real-Time PCR COVID-19
Institut Pasteur	Not available	Molecular	Manual PCR	Not available	TaqPath COVID-19 Combo Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	iLAMP Novel-CoV19 Test Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	Bio-T kit SARS-CoV-2
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	IDNCOV-2

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<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	OPTI SARS-CoV-2 RT-PCR Test
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	Corona Virus Disease 2019 (COVID-19) Nucleic Acid Detection Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	Q-Sens® 2019-nCoV Detection Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	2019-Novel Coronavirus (2019-nCoV) RT-PCR Detection Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	ID HRM SARS-COV-2 Triplex
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Integrated system	Not available	Novadiag® COVID-19 + InfA/B (lab-based & near-POC)
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	COVID-19 Multiplex Crystal Digital PCR detection kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual isotherm	Not available	SmartAmp Covid-19 (Lamp system)
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	BioGX SARS-CoV-2 Open System Reagents for BD MAX™
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Manual PCR	Not available	VIASURE SARS-CoV-2 S gene Real Time PCR Detection Kit adapted for BD MAX™ System
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Manual PCR	Not available	RealStar® SARS-CoV-2 RT-PCR Kit
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Integrated system	Not available	Amplidiag COVID-19 Kit

<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Molecular	Manual PCR	Not available	The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	VitaPCR™ SARS-CoV-2 Assay
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Not available	Molecular	Manual PCR	Not available	UltraGene Combo2Screen SARS-CoV-2 Assay
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Not available	Molecular	Manual PCR	Not available	Bosphore Novel Coronavirus (2019-nCoV) Detection Kit
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	VitaPCR™ SARS-CoV-2 Assay
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	Not available	Molecular	Integrated system	Not available	BioFire COVID-19 Test
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	Simplexa™ COVID-19 Direct RT-PCR Kit
	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Molecular	Integrated system	Not available	cobas® SARS-CoV-2 (for use on the cobas® 6800/8800 Systems)
Hopital Charles Le Moyne	Blinded to referen	Molecular	Manual PCR	Not available	RIDA® GENE SARS-CoV-2 RUO (PG6815RUO)
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	Not available	Molecular	Manual PCR	Not available	VIASURE SARS-CoV-2 Real Time PCR Detection Kit
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	Panther Fusion SARS-CoV-2 assay
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	Not blinded to refer	Molecular	CRISPR-based lat	Not available	SARS-CoV-2 DETECTR

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<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
National Institute for Communicable Diseases (NICD)	Not available	Molecular	Manual PCR	Not available	COVID-19 Nucleic Acid Detection Kit (Multiplex Real Time PCR)
National Institute for Communicable Diseases (NICD)	Not available	Molecular	Manual PCR	Not available	YouSeq SARS-CoV-2 qPCR Test
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	cobas® SARS-CoV-2 (for use on the cobas® 6800/8800 Systems)
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
National Institute for Communicable Diseases (NICD)	Not available	Molecular	Manual PCR	Not available	LightMix Modular SARS-CoV-2 (COVID19)
National Institute for Communicable Diseases (NICD)	Not available	Molecular	Manual PCR	Not available	Real-time fluorescent RT-PCR kit for detecting 2019 nCoV
National Institute for Communicable Diseases (NICD)	Not available	Molecular	Manual PCR	Not available	TaqPath COVID-19 Combo Kit
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	cobas® SARS-CoV-2 (for use on the cobas® 6800/8800 Systems)
University of Washington Medical Center laboratories	Not available	Molecular	Integrated system	Not available	Panther Fusion SARS-CoV-2 assay
One Health Research Group.Universidad de Las Américas	Not available	Molecular	Manual PCR	Not available	nCOV-QS
Microbiology Department, Basingstoke & North Hampshire Hospital	Not available	Molecular	Manual PCR	Not available	genesig Real-Time PCR COVID-19
	Not available	Molecular	Manual PCR	Not available	DirectDetect™ SARS-CoV-2 Detection Kit
University of Washington Retrovirology Laboratory at Harborview Medical Center	Blinded to referen	Molecular	Integrated system	Not available	Abbott RealTime SARS-CoV-2 EUA test
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	Not available	Molecular	Integrated system	Not available	ID NOW COVID-19
Bichat Claude Bernard Teaching Hospital	Not available	Molecular	Integrated system	Not available	QIAstat-Dx Respiratory Panel 2019-nCoV

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<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Saitama Medical University Hospital, Saitama, Japan	Not available	Molecular	Manual isotherm	Not available	Loopamp® 2019-SARS-CoV-2 Detection Reagent Kit
Stanford Health Care Clinical Virology Laboratory	Not available	Molecular	Manual PCR	Not available	SHC EUA test
Université de Paris, Assistance Publique	Not available	Molecular	Manual PCR	Not available	RealStar® SARS-CoV-2 RT-PCR Kit
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Not available	Molecular	Manual PCR	Not available	RealStar® SARS-CoV-2 RT-PCR Kit
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Not available	Molecular	Manual PCR	Not available	Allplex 2019-nCoV assay
Toronto Invasive Bacterial Disease Network (TIBDN)	Not available	Molecular	Integrated system	Not available	Allplex 2019-nCoV assay
UCSD	Blinded to referen	Molecular	Integrated system	Not available	Fluxergy Sample-to-Answer SARS-CoV-2 RT-PCR
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	Not available	Molecular	Manual PCR	Not available	VIASURE SARS-CoV-2 S gene Real Time PCR Detection Kit adapted for BD MAX™ System
	Not available	Molecular	Manual PCR	Not available	DirectDetect™ SARS-CoV-2 Detection Kit
Clinical Virology Laboratory, Stanford Health Care	Not available	Molecular	Integrated system	Not available	Accula SARS-CoV-2 POCT
Stanford University School of Medicine	Not available	Molecular	Integrated system	Not available	ID NOW COVID-19
Northwell Health Laboratories	Not available	Molecular	Integrated system	Not available	ID NOW COVID-19
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	Not available	Molecular	Integrated system	Not available	RainSure COVID-19 dPCR Detection Kit (lab-based)
Northwell Health Laboratories	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
Northwell Health Laboratories	Not available	Molecular	Integrated system	Not available	ePlex® SARS-CoV-2 Test
	Not available	Molecular	loop-mediated is	Not available	variplex SARS-CoV-2 test system - run on the Genie II Mk2 instrument (Optigene Ltd)

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<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Nevada State Public Health Laboratory	Not available	Molecular	Manual PCR	Not available	Panther Fusion SARS-CoV-2 assay
Hampshire Hospitals NHS Foundation Trust, UK	Not available	Molecular	Manual PCR	Not available	LAMP-COVID-19
Department of Virology, Manchester Medical Microbiology Partnership, Manchester Royal Infirmary	Not available	Molecular	Integrated system	Not available	Coronavirus LightMix® Modular SARS and Wuhan CoV E-gene assay
Public Health England (PHE) Cambridge laboratory	Blinded to referen	Molecular	Integrated system	Not available	SAMBA II COVID-19 Test (near-POC NAT)
University Medical Center Hamburg-Eppendorf (UKE), Institute of Medical Microbiology, Virology and Hygiene	Not available	Molecular	Integrated system	Not available	cobas® SARS-CoV-2 (for use on the cobas® 6800/8800 Systems)
Department of Microbiology, Monash Health, Clayton, VIC	Not available	Molecular	Integrated system	Not available	SARS-CoV-2, Influenza and RSV 8-well
Rush University Medical Center or Rush Oak Park Hospital	Blinded to referen	Molecular	Integrated system	Not available	Abbott RealTime SARS-CoV-2 EUA test
Rush University Medical Center or Rush Oak Park Hospital	Blinded to referen	Molecular	Integrated system	Not available	ID NOW COVID-19
Department of Microbiology, Queen Mary Hospital	Not available	Molecular	Not available	Not available	NxTAG CoV Extended Panel
Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Blinded to referen	Molecular	Integrated system	Not available	cobas® SARS-CoV-2 (for use on the cobas® 6800/8800 Systems)
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Manual PCR	Not available	Real-time fluorescent RT-PCR kit for detecting 2019 nCoV
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Manual PCR	Not available	Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Manual PCR	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Not available	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Not available	Not available	Not available

<b>Laboratory</b>	<b>Blinding</b>	<b>Test Type</b>	<b>Test Format</b>	<b>Use Case</b>	<b>Test Name</b>
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Manual PCR	Not available	Novel Coronavirus (2019-nCoV) Nucleic Acid Diagnostic Kit (PCR-Fluorescence Probing)
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Blinded to referen	Molecular	Manual PCR	Not available	PerkinElmer® SARS-CoV-2 Realtime RT-PCR Assay
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	Not available	Molecular	Integrated system	Not available	Simplexa™ COVID-19 Direct RT-PCR Kit
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
Beth Israel Deaconess Medical Center	Not available	Molecular	Not available	Not available	Abbott RealTime SARS-CoV-2 EUA test
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	Not available	Molecular	Integrated system	Not available	Xpert Xpress SARS-CoV-2
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	Not available	Molecular	Integrated system	Not available	ID NOW COVID-19
Department of Microbiology, Royal Melbourne Hospital	Not available	Molecular	Integrated system	Not available	SARS-CoV-2, Influenza and RSV 8-well

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<b>Laboratory</b>	<b>Manufacturer</b>	<b>Catalog Number</b>	<b>Lot Number</b>	<b>Index Sample Type</b>	<b>Target</b>	<b>Antigen Used for Detection</b>
Centre National de Référence (CNR) des virus des infections respiratoires	Cepheid	900-0883	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Eurobio Scientific	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	BIOMAXIMA S.A.	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	bioMérieux SA	423717	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Specimen without RNA extraction	Not available
Institut Pasteur	Thermo Fisher Scientific	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institut Pasteur	Thermo Fisher Scientific	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institut Pasteur	R-Biopharm AG	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institut Pasteur	R-Biopharm AG	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institut Pasteur	Novacyt/primerdesign	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institut Pasteur	Thermo Fisher Scientific	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	ionebio	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	biosellal	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	idSOLUTIONS	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available

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Laboratory	Manufacturer	Catalog		Index Sample Type	Target	Antigen Used for Detection
		Number	Lot Number			
Centre National de Référence (CNR) Virus des Infections Respiratoires	OPTIMedical	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	EXCILONE SARL	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Cancer Rop Co., Ltd.	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Shanghai Fosun Long March Medical Science Co.,Ltd.	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	ID.VET	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Mobidiag	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	STILLA	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	EMG / MSE	Not available	Not available	Nasopharyngeal swabs	Fresh RNA extracted	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	BioGX	350-093-C-MA	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	CerTest Biotec, S.L.	Not available	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	altona Diagnostics	821003	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Fresh RNA extracted	Not available
Centre National de Référence (CNR) Virus des Infections Respiratoires	Mobidiag	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available

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<b>Laboratory</b>	<b>Manufacturer</b>	<b>Catalog Number</b>	<b>Lot Number</b>	<b>Index Sample Type</b>	<b>Target</b>	<b>Antigen Used for Detection</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	GeneFirst Ltd	Not available	Not available	Respiratory specimen	Frozen RNA	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	BIOSYNEX S.A.	Not available	Not available	Nasopharyngeal swabs; Deep respiratory specimen	Specimen without RNA extraction	Not available
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Advanced Biological Laboratories SA	139A100	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	Anatolia Geneworks	ABCOW5	Not available	Nasopharyngeal swabs; Tracheal aspirate	Frozen RNA	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	BIOSYNEX S.A.	Not available	Not available	Respiratory specimen	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	bioMérieux SA	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
University of Washington Medical Center laboratories	DiaSorin Molecular, LLC	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
	Cepheid	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
Centre National de Référence (CNR) des virus des infections respiratoires	Roche Molecular Diagnostics	09175431190	Not available	Respiratory specimen	Specimen without RNA extraction	Not available
Hopital Charles Le Moyne	R-Biopharm AG	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Specimen without RNA extraction	Not available
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	CerTest Biotec, S.L.	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
University of Washington Medical Center laboratories	Hologic	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	Mammoth Biosciences	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Fresh RNA extracted	Not available

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Laboratory	Manufacturer	Catalog		Index Sample Type	Target	Antigen Used for Detection
		Number	Lot Number			
National Institute for Communicable Diseases (NICD)	Sansure Biotech, Inc.	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
National Institute for Communicable Diseases (NICD)	YouSeq Ltd	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
University of Washington Medical Center laboratories	Roche Molecular Diagnostics	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
University of Washington Medical Center laboratories	Cepheid	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
National Institute for Communicable Diseases (NICD)	TIB Molbiol/Roche Diagnostics	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
National Institute for Communicable Diseases (NICD)	BGI Health (HK) Co. Ltd.	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
National Institute for Communicable Diseases (NICD)	Thermo Fisher Scientific	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
University of Washington Medical Center laboratories	Roche Molecular Diagnostics	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
University of Washington Medical Center laboratories	Hologic	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
One Health Research Group.Universidad de Las Américas	MiCo Biomed Co. Ltd	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
Microbiology Department, Basingstoke & North Hampshire Hospital	Novacyt/primerdesign	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Not available	Not available
	Coyote Bioscience	Not available	Not available	Saliva	Specimen without RNA extraction	Not available
University of Washington Retrovirology Laboratory at Harborview Medical Center	Abbott Molecular Inc.	Not available	Not available	Nasopharyngeal swabs; Nasal swabs	Specimen without RNA extraction	Not available
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	Abbott Diagnostics Inc.	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
Bichat Claude Bernard Teaching Hospital	QIAGEN GmbH	Not available	Not available	Nasopharyngeal swabs; Lower respiratory specimen	Specimen without RNA extraction	Not available

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<b>Laboratory</b>	<b>Manufacturer</b>	<b>Catalog Number</b>	<b>Lot Number</b>	<b>Index Sample Type</b>	<b>Target</b>	<b>Antigen Used for Detection</b>
Saitama Medical University Hospital, Saitama, Japan	Eiken Chemical	Not available	Not available	Nasopharyngeal swabs	Fresh RNA extracted	Not available
Stanford Health Care Clinical Virology Laboratory	Stanford University	Not available	Not available	Nasopharyngeal swabs	Fresh RNA extracted	Not available
Université de Paris, Assistance Publique	altona Diagnostics	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	altona Diagnostics	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Frozen RNA	Not available
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Seegene, Inc.	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Frozen RNA	Not available
Toronto Invasive Bacterial Disease Network (TIBDN)	Seegene, Inc.	Not available	Not available	Saliva	Frozen RNA	Not available
UCSD	Fluxergy LLC	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	CerTest Biotec, S.L.	Not available	NCO124-00	Nasopharyngeal swabs; Oropharyngeal swabs	Not available	Not available
	Coyote Bioscience	Not available	Not available	Saliva	Specimen without RNA extraction	Not available
Clinical Virology Laboratory, Stanford Health Care	Mesa Biotech Inc.	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Stanford University School of Medicine	Abbott Diagnostics Inc.	Not available	Not available	Nasopharyngeal swabs	Not available	Not available
Northwell Health Laboratories	Abbott Diagnostics Inc.	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	RainSure Scientific Co., Ltd	Not available	Not available	Pharyngeal swabs	Not available	Not available
Northwell Health Laboratories	Cepheid	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Northwell Health Laboratories	GenMark Diagnostics	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
	Amplex Diagnostics, Gars-Bahnhof, Germany	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Specimen without RNA extraction	Not available

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Laboratory	Manufacturer	Catalog		Index Sample Type	Target	Antigen Used for Detection
		Number	Lot Number			
Nevada State Public Health Laboratory	Hologic	Not available	Not available	Not available	Not available	Not available
Hampshire Hospitals NHS Foundation Trust, UK	OptiGene Ltd. (Camberley, UK)	Not available	Not available	Oropharyngeal swabs	Fresh RNA extracted	Not available
Department of Virology, Manchester Medical Microbiology Partnership, Manchester Royal Infirmary	Roche Ltd	09155368001	Not available	Nasopharyngeal swabs; Oropharyngeal swabs; Sputum	Not available	Not available
Public Health England (PHE) Cambridge laboratory	Diagnostics for the Real World Ltd	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Specimen without RNA extraction	Not available
University Medical Center Hamburg-Eppendorf (UKE), Institute of Medical Microbiology, Virology and Hygiene	Roche Molecular Diagnostics	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Specimen without RNA extraction	Not available
Department of Microbiology, Monash Health, Clayton, VIC	AusDiagnostics	20081	Not available	Nasopharyngeal swabs; Oropharyngeal swabs; Sputum; Tracheal aspirate	Fresh RNA extracted	Not available
Rush University Medical Center or Rush Oak Park Hospital	Abbott Molecular Inc.	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Rush University Medical Center or Rush Oak Park Hospital	Abbott Diagnostics Inc.	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Department of Microbiology, Queen Mary Hospital	Luminex Corporation	Not available	Not available	Nasopharyngeal swabs	Frozen RNA	Not available
Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Roche Molecular Diagnostics	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs	Specimen without RNA extraction	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	BGI Health (HK) Co. Ltd.	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	DAAN Gene Co., Ltd of Sun Yat-sen University	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Jiangsu Bioperfectus Technologies Co. Ltd	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Fosun Long March Medical Science Co., Ltd	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Outdo Biotech Co., Ltd	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available

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<b>Laboratory</b>	<b>Manufacturer</b>	<b>Catalog Number</b>	<b>Lot Number</b>	<b>Index Sample Type</b>	<b>Target</b>	<b>Antigen Used for Detection</b>
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Sansure Biotech, Inc.	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	PerkinElmer Inc.	Not available	Not available	Oropharyngeal swabs; Fecal sample	Not available	Not available
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	DiaSorin Molecular, LLC	Not available	Not available	Nasopharyngeal swabs	Specimen without RNA extraction	Not available
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	Cepheid	Not available	Not available	Oropharyngeal swabs	Specimen without RNA extraction	Not available
Beth Israel Deaconess Medical Center	Abbott Molecular Inc.	Not available	Not available	Nasal swab	Not available	Not available
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	Cepheid	Not available	Not available	Nasopharyngeal swabs; Oropharyngeal swabs; Tracheal aspirate	Specimen without RNA extraction	Not available
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	Abbott Diagnostics Inc.	Not available	Not available	Dry nasal swabs	Specimen without RNA extraction	Not available
Department of Microbiology, Royal Melbourne Hospital	AusDiagnostics	Not available	Not available	Bronchoalveolar lavage; Nasopharyngeal swabs; Oropharyngeal swabs; Sputum; Tracheal aspirate	Fresh RNA extracted	Not available

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<b>Laboratory</b>	<b>RNA Extraction Kit</b>	<b>Estimated LoD</b>	<b>LoD Unit</b>	<b>Higher Cut-off</b>	<b>Lower Cut-off</b>	<b>Ct Value</b>	<b>Days of Sickness</b>	<b>Sample Size</b>
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	39	Overall	8
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	35.5	Overall	8
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	38.1	Overall	8
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	35	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Institut Pasteur	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	29.2	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	38	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	35.5	Overall	9

## Supplementary Data

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<b>Laboratory</b>	<b>RNA Extraction Kit</b>	<b>Estimated LoD</b>	<b>LoD Unit</b>	<b>Higher Cut-off</b>	<b>Lower Cut-off</b>	<b>Ct Value</b>	<b>Days of Sickness</b>	<b>Sample Size</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	34.7	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	31.7	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	36.7	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	33	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Not available	Not available	Not available	Not available	Not available	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	Extraction NucleoSpin Dx Virus (Réf. Macherey Nagel 740895.50)	Not available	Not available	Not available	Not available	Not available	Overall	9
Centre National de Référence (CNR) Virus des Infections Respiratoires	LifeCase RNA extraction	Not available	Not available	Not available	Not available	Not available	Overall	9
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	40.3	Overall	10
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	35	Overall	10
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	35	Overall	10
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Not available	Not available	Not available	Not available	39.4	Overall	10

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Laboratory	RNA Extraction Kit	Estimated		Higher	Lower	Ct Value	Days of Sickness	Sample Size
		LoD	LoD Unit	Cut-off	Cut-off			
Centre National de Référence (CNR) Virus des Infections Respiratoires	Not available	Not available	Not available	Not available	Not available	36.7	Overall	10
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	Not available	Overall	11
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	EMAG® bioMérieux	Not available	Not available	Not available	Not available	35.7	Overall	12
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	EMAG® bioMérieux	Not available	Not available	Not available	Not available	33	Overall	13
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	26	Overall	15
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	Not available	Not available	Not available	Not available	Not available	Not available	Overall	15
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	Not available	Overall	19
	Not available	Not available	Not available	Not available	Not available	Not available	Overall	19
Centre National de Référence (CNR) des virus des infections respiratoires	Not available	Not available	Not available	Not available	Not available	35	Overall	20
Hopital Charles Le Moyne	Not available	Not available	Not available	Not available	Not available	Not available	Overall	20
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	EMAG® bioMérieux	Not available	Not available	Not available	Not available	44.8	Overall	20
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	37	Overall	20
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	Qiagen DSP Viral RNA Mini Kit	10	copy / microL	Not available	Not available	Not available	Overall	21

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Laboratory	RNA Extraction Kit	Estimated		Higher	Lower	Ct Value	Days of	Sample
		LoD	LoD Unit	Cut-off	Cut-off		Sickness	
National Institute for Communicable Diseases (NICD)	MagnaPure 96	0.1	copy / microL	Not available	Not available	Not available	Overall	21
National Institute for Communicable Diseases (NICD)	MagnaPure 96	0	copy / microL	Not available	Not available	Not available	Overall	21
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	Not available	Overall	26
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	Not available	Overall	26
National Institute for Communicable Diseases (NICD)	MagnaPure 96	0	copy / microL	Not available	Not available	Not available	Overall	27
National Institute for Communicable Diseases (NICD)	MagnaPure 96	0.1	copy / microL	Not available	Not available	Not available	Overall	27
National Institute for Communicable Diseases (NICD)	MagnaPure 96	1.4	copy / microL	Not available	Not available	Not available	Overall	33
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	Not available	Overall	40
University of Washington Medical Center laboratories	Not available	Not available	Not available	Not available	Not available	37	Overall	46
One Health Research Group.Universidad de Las Américas	Not available	Not available	Not available	Not available	Not available	Not available	Overall	54
Microbiology Department, Basingstoke & North Hampshire Hospital	PerkinElmer chemagic Prepito-D (NA Body Fluid kit; plasma protocol)	Not available	Not available	Not available	Not available	28.3	Overall	57
	Not available	Not available	Not available	Not available	Not available	Not available	Intermediate	59
University of Washington Retrovirology Laboratory at Harborview Medical Center	Not available	100	copy / mL	Not available	Not available	Not available	Overall	60
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	Not available	Not available	Not available	Not available	Not available	Not available	Overall	61
Bichat Claude Bernard Teaching Hospital	Not available	1000	copy / mL	Not available	Not available	Not available	Overall	69

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Laboratory	RNA Extraction Kit	Estimated		Higher	Lower	Ct Value	Days of	Sample
		LoD	LoD Unit	Cut-off	Cut-off		Sickness	
Saitama Medical University Hospital, Saitama, Japan	Not available	10	copy / microL	Not available	Not available	Not available	Overall	76
Stanford Health Care Clinical Virology Laboratory	Not available	Not available	Not available	Not available	Not available	Not available	Overall	80
Université de Paris, Assistance Publique	Not available	625	copy / mL	Not available	Not available	Not available	Overall	83
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Abbott mSample Preparation Systems DNA kit on m2000sp instrument (Abbott)	Not available	Not available	Not available	Not available	Not available	Overall	88
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	Not available	Not available	Not available	Not available	Not available	40	Overall	88
Toronto Invasive Bacterial Disease Network (TIBDN)	Not available	Not available	Not available	Not available	Not available	Not available	Overall	91
UCSD	Not available	33	copy / reaction	Not available	Not available	Not available	Overall	92
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	Not available	Not available	Not available	Not available	Not available	Not available	Overall	95
	Not available	Not available	Not available	Not available	Not available	Not available	Early (~1-7)	98
Clinical Virology Laboratory, Stanford Health Care	Not available	Not available	Not available	Not available	Not available	Not available	Overall	100
Stanford University School of Medicine	Not available	Not available	Not available	Not available	Not available	Not available	Overall	100
Northwell Health Laboratories	Not available	20000	copy / mL	Not available	Not available	Not available	Overall	107
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	Not available	Not available	Not available	Not available	Not available	Not available	Overall	108
Northwell Health Laboratories	Not available	100	copy / mL	Not available	Not available	Not available	Overall	108
Northwell Health Laboratories	Not available	1000	copy / mL	Not available	Not available	Not available	Overall	108
	Not available	Not available	Not available	Not available	Not available	Not available	Early (~1-7)	109

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Laboratory	RNA Extraction Kit	Estimated		Higher	Lower	Ct Value	Days of	Sample
		LoD	LoD Unit	Cut-off	Cut-off		Sickness	
Nevada State Public Health Laboratory	Not available	1.1	copy / microL	Not available	Not available	Not available	Overall	112
Hampshire Hospitals NHS Foundation Trust, UK	Not available	Not available	Not available	Not available	Not available	Not available	Overall	114
Department of Virology, Manchester Medical Microbiology Partnership, Manchester Royal Infirmary	Magna Pure 96 using the Pathogen Universal protocol	Not available	Overall	165				
Public Health England (PHE) Cambridge laboratory	200 v4.0	250	copy / mL	Not available	Not available	36	Overall	172
University Medical Center Hamburg-Eppendorf (UKE), Institute of Medical Microbiology, Virology and Hygiene	Not available	Not available	Not available	Not available	Not available	Not available	Overall	180
Department of Microbiology, Monash Health, Clayton, VIC	AusDiagnostics MT-Prep extraction system	Not available	Overall	187				
Rush University Medical Center or Rush Oak Park Hospital	Not available	Not available	Not available	Not available	Not available	Not available	Overall	198
Rush University Medical Center or Rush Oak Park Hospital	Not available	Not available	Not available	Not available	Not available	Not available	Overall	198
Department of Microbiology, Queen Mary Hospital	Not available	200	copy / mL	Not available	Not available	Not available	Overall	214
Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	Not available	Not available	Not available	Not available	Not available	Not available	Overall	215
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	100	copy / mL	Not available	Not available	38	Overall	242
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	500	copy / mL	Not available	Not available	40	Overall	242
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	1000	copy / mL	Not available	Not available	35	Overall	242
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	1000	copy / mL	Not available	Not available	38	Overall	242
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	Not available	Not available	Not available	Not available	37	Overall	242

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Laboratory	RNA Extraction Kit	Estimated		Higher	Lower	Ct Value	Days of Sickness	Sample Size
		LoD	LoD Unit	Cut-off	Cut-off			
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	200	copy / mL	Not available	Not available	40	Overall	242
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	Not available	30	copy / mL	Not available	Not available	42	Overall	242
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	Not available	Not available	Not available	Not available	Not available	Not available	Overall	278
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	Not available	Not available	Not available	Not available	Not available	Not available	Overall	285
Beth Israel Deaconess Medical Center	Not available	100	copy / mL	Not available	Not available	Not available	Overall	308
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	Not available	0	PFU/mL	Not available	Not available	37.1	Overall	481
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	Not available	Not available	Not available	Not available	Not available	Not available	Overall	579
Department of Microbiology, Royal Melbourne Hospital	Viral RNA mini kit (QIAGEN, Hilden, Germany)	Not available	Overall	675				

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Centre National de Référence (CNR) des virus des infections respiratoires	5	3	5	3	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	7	1	7	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	7	1	7	1	100	100
Centre National de Référence (CNR) des virus des infections respiratoires	6	3	6	3	100	100
Institut Pasteur	8	1	8	1	100	100
Institut Pasteur	8	1	8	1	100	100
Institut Pasteur	8	1	8	1	100	100
Institut Pasteur	8	1	7	1	87.5	100
Institut Pasteur	8	1	8	1	100	100
Institut Pasteur	8	1	7	1	87.5	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	3	1	37.5	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100

<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	7	1	87.5	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	7	1	87.5	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	8	1	100	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	1	7	1	87.5	100
Centre National de Référence (CNR) des virus des infections respiratoires	7	3	7	3	100	100
Centre National de Référence (CNR) des virus des infections respiratoires	7	3	5	3	71.4	100
Centre National de Référence (CNR) des virus des infections respiratoires	8	2	7	2	87.5	100
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	2	8	2	100	100

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Centre National de Référence (CNR) Virus des Infections Respiratoires	8	2	8	2	100	100
Centre National de Référence (CNR) des virus des infections respiratoires	8	3	3	3	37.5	100
Laboratoire associé au Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	10	2	8	2	80	100
Centre National de Référence des virus des infections respiratoires Centre de Biologie et Pathologie Nord	10	3	8	3	80	100
Centre National de Référence (CNR) des virus des infections respiratoires	8	7	7	7	87.5	100
Centre National de Référence (CNR) des Virus des Infections Respiratoires Centre de Biologie et Pathologie Nord	11	4	11	4	100	100
University of Washington Medical Center laboratories	11	8	11	8	100	100
	10	9	10	9	100	100
Centre National de Référence (CNR) des virus des infections respiratoires	15	5	15	5	100	100
Hopital Charles Le Moyne	5	15	5	15	100	100
Centre National de Référence (CNR) des Virus des Infections Respiratoires Institut des Agents infectieux, Centre de Biologie et Pathologie Nord	18	2	17	2	94.4	100
University of Washington Medical Center laboratories	10	10	10	9	100	90
Mammoth Biosciences, Inc., San Francisco, California, USA; Department of Laboratory Medicine, University of California, San Francisco, California, USA	10	11	9	11	90	100

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
National Institute for Communicable Diseases (NICD)	16	5	15	4	93.8	80
National Institute for Communicable Diseases (NICD)	16	5	13	5	81.2	100
University of Washington Medical Center laboratories	13	13	12	13	92.3	100
University of Washington Medical Center laboratories	13	13	13	13	100	100
National Institute for Communicable Diseases (NICD)	20	7	16	7	80	100
National Institute for Communicable Diseases (NICD)	20	7	14	7	70	100
National Institute for Communicable Diseases (NICD)	26	7	13	7	50	100
University of Washington Medical Center laboratories	20	20	20	19	100	95
University of Washington Medical Center laboratories	17	29	16	29	94.1	100
One Health Research Group.Universidad de Las Américas	33	21	22	21	66.7	100
Microbiology Department, Basingstoke & North Hampshire Hospital	4	53	4	53	100	100
	12	47	5	41	41.7	87.2
University of Washington Retrovirology Laboratory at Harborview Medical Center	30	30	28	30	93.3	100
University of Pittsburgh School of Medicine; Laboratory of Viral Diseases, Wadsworth Center, New York State Department of Health	46	15	33	15	71.7	100
Bichat Claude Bernard Teaching Hospital	40	29	40	27	100	93.1

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Saitama Medical University Hospital, Saitama, Japan	30	46	30	44	100	95.7
Stanford Health Care Clinical Virology Laboratory	26	54	26	50	100	92.6
Université de Paris, Assistance Publique	46	37	45	36	97.8	97.3
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	65	23	65	23	100	100
Centre Intégré Universitaire de Santé et Services Sociaux de la Mauricie et Centre du Québec	65	23	64	23	98.5	100
Toronto Invasive Bacterial Disease Network (TIBDN)	64	27	44	19	68.8	70.4
UCSD	31	61	29	58	93.5	95.1
Diagnostic & Research Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz	68	27	47	27	69.1	100
	55	43	30	38	54.5	88.4
Clinical Virology Laboratory, Stanford Health Care	50	50	34	50	68	100
Stanford University School of Medicine	51	49	41	47	80.4	95.9
Northwell Health Laboratories	57	50	50	50	87.7	100
Nantong Third Hospital Affiliated to Nantong University, Clinical Laboratory	28	80	25	76	89.3	95
Northwell Health Laboratories	58	50	57	50	98.3	100
Northwell Health Laboratories	58	50	53	50	91.4	100
	47	62	8	55	17	88.7

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Nevada State Public Health Laboratory	51	61	50	61	98	100
Hampshire Hospitals NHS Foundation Trust, UK	44	70	33	68	75	97.1
Department of Virology, Manchester Medical Microbiology Partnership, Manchester Royal Infirmary	15	150	15	150	100	100
Public Health England (PHE) Cambridge laboratory	91	81	90	81	98.9	100
University Medical Center Hamburg-Eppendorf (UKE), Institute of Medical Microbiology, Virology and Hygiene	93	87	89	86	95.7	98.9
Department of Microbiology, Monash Health, Clayton, VIC	127	60	118	59	92.9	98.3
Rush University Medical Center or Rush Oak Park Hospital	119	79	119	73	100	92.4
Rush University Medical Center or Rush Oak Park Hospital	119	79	94	79	79	100
Department of Microbiology, Queen Mary Hospital	91	123	89	123	97.8	100
Institute of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana	61	154	60	151	98.4	98.1
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	38	200	90.5	100
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	33	200	78.6	100
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	38	200	90.5	100
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	32	200	76.2	100
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	39	200	92.9	100

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<b>Laboratory</b>	<b>Total Positive</b>	<b>Total Negative</b>	<b>True Positive</b>	<b>True Negative</b>	<b>Sensitivity</b>	<b>Specificity</b>
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	35	200	83.3	100
Department of Laboratory Medicine, The Second Xiangya Hospital, Central South University	42	200	41	200	97.6	100
National Institute for Infectious Diseases 'Lazzaro Spallanzani' IRCC; Not available	99	179	99	171	100	95.5
Wuhan Tongji Hospital; Wuhan Pulmonary 47 Hospital; Wuhan No. 1 Hospital	153	132	147	127	96.1	96.2
Beth Israel Deaconess Medical Center	92	216	41	210	44.6	97.2
Johns Hopkins University; LAC+USC Medical Center, University of Southern California; Manchester University NHS Foundation Trust; Mondor Hospital; New York City Dept. Health and Mental Hygiene; Niguarda Hospital; Newark University Hospital	220	261	219	250	99.5	95.8
Department of Pathology and Clinical Laboratory Services, University of Texas Southwestern Medical Center	33	546	26	546	78.8	100
Department of Microbiology, Royal Melbourne Hospital	53	622	53	621	100	99.8

**Survey on Pre-test Probability of Covid19 in Young and Older Patient**

Q1. The sensitivity and specificity of tests, as performed in each laboratory, determine the likelihood ratio which can be used to convert pre-test to post-test probability. (The same result from different labs carry different weight.) Would it help clinical practice if laboratories reported the probability that positive or negative results indicate patients with or without Covid-19, relative to the clinician's estimate of pre-test probability?

Q2. The following questions ask for your estimate that a 20-to-30-year-old patient actually has, or will soon develop Covid19 infection? - with no typical Covid19 symptoms and NO KNOWN contact

Q3. with no typical Covid19 symptoms but KNOWN contact

Q4. with KNOWN CONTACT, PLUS sore throat, and nasal stuffiness

Q5. without KNOWN CONTACT, with sore throat, and nasal stuffiness

Q6. with KNOWN CONTACT, PLUS sore throat, and nasal stuffiness, with reduced taste or smell

Q7. without KNOWN CONTACT, with sore throat, and nasal stuffiness, with reduced taste or smell

Q8. with KNOWN CONTACT, PLUS sore throat and nasal stuffiness, with reduced taste or smell, fever, and body ache

Q9. without KNOWN CONTACT, with sore throat, and nasal stuffiness, with reduced taste or smell, fever, and body ache

Q10. The following questions apply to a 60-to-70-year-old patient a. with no typical Covid19 symptoms and NO KNOWN contact

Q11. with no typical Covid19 symptoms and KNOWN contact

Q12. with KNOWN CONTACT, PLUS sore throat, and nasal stuffiness

Q13. without KNOWN CONTACT, PLUS sore throat, and nasal stuffiness

Q14. with KNOWN CONTACT, PLUS sore throat, and nasal stuffiness, with reduced taste or smell

Q15. without KNOWN CONTACT, PLUS sore throat, and nasal stuffiness, with reduced taste or smell

Q16. with KNOWN CONTACT, PLUS sore throat, and nasal stuffiness, with reduced taste or smell, fever, and body ache

Q17. without KNOWN CONTACT, PLUS sore throat, and nasal stuffiness, with reduced taste or smell, fever, and body ache

Q18. Please provide your qualifications

Q19. Please provide your email if you would like to receive notice when the article is in pre-print and published.

Q20. Please add comments and suggestions for this article on the challenges of distinguishing true from false-positive test results.