SARS-CoV-2 Products

- Rapid tests
- ELISA IVD & Research
- Assays
- Antibodies
- Viral Proteins
- Inflammatory Proteins
- Multiplex Assay & Cytokine Service
- Inhibitors
- Lectins
- Pentamers
- Isolation & Extraction
- RT-qPCR







Coronavirus (CoV)

Coronaviruses belong to the subfamily of *Orthocoronavirinae* in the family *Coronaviridae*, in the order *Nidovirales*. They are enveloped viruses with a positive-sense single-stranded RNA genome and a nucleocapsid of helical symmetry.

To date, six CoVs have been identified to infect humans: HCoV-229E, HCoV-OC43, HCoV-NL63, HCoV-HKU1, severe acute respiratory syndrome coronavirus (SARS-CoV), and the Middle East respiratory syndrome coronavirus (MERS-CoV).

The first case of novel coronavirus (SARS-CoV-2)–infected pneumonia (NCIP) occurred in Wuhan, Hubei Province, China, in December 2019. NCIP is the seventh coronavirus.

Structure of SARS



Fig.2 Schematic diagram of the SARS structure. (Peiris, 2004)

- The viral surface proteins (spike, envelope and membrane) are embedded in a lipid bilayer envelope derived from the host cell.
- The single-stranded positive-sense viral RNA is associated with the nucleocapsid protein.

Overview of SARS-CoV-2

The novel coronavirus (SARS-CoV-2) occurred in Wuhan, Hubei Province, China in December of 2019 has resulted in thousands of people of lethal disease in China, and more and more patients are identified in the world. This novel coronavirus was reported to share the same receptor, angiotensin-converting enzyme 2 (ACE2), similar with SARS-CoV.



Rapid tests



MP Rapid 2019-nCoV IgG/IgM Combo Test



Coronavirus disease 2019 (COVID-19) is an infectious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The disease was first identified in 2019. The virus causes a respiratory illness (comparable to the flu) with the symptoms of cough and fever. In more severe cases, pneumonia can occur. MP Bio now offers a rapid diagnostic test detecting IgG and IgM antibodies of COVID-19.





Serologic ELISA IVD





COVID-19 (SARS-CoV-2) ELISAs IgG, IgA, IgM

Our novel COVID-19 (SARS-CoV-2) ELISAs are serological assays for the qualitative determination of antibodies (*IgA*, *IgG* and *IgM*) against SARS-CoV-2 in human serum or plasma. They enable the assessment of the immune response of patients during and after the infection and allow the collection of epidemiological data.

Following characteristics come along with these kits:

- highly conserved recombinant SARS-CoV-2 nucleocapsid protein is used as antigen
- suitable for open automated ELISA systems
- CE-marked
- fast results (<2 hours)</p>
- separate detection of IgG, IgA and IgM antibodies



ELISA for Research





Supporting the fight vs Covid-19-Helping Targeted Protein Degradation Research

Catalog No. C19SD-876



SignalChem's 2019-nCoV (SARS-CoV-2) S1 Protein ELISA Kit detects and quantifies SARS-CoV-2 spike protein in biological and/or recombinant samples using the immobilized ACE2 protein on the surface of 96-well plates.

An alternatively possible application could be the environment monitoring (e.g. antigen would also be on the surfaces of places where people have sneezed)



Cloud-Clone Corp. ELISA KITS Targets in Virus Infection

SEB886Hu	ELISA Kit for Angiotensin I Converting Enzyme 2 (ACE2)
SEB540Hu	ELISA Kit for Cluster Of Differentiation 147 (CD147)
SEC795Hu	ELISA Kit for Transmembrane Protease, Serine 2 (TMPRSS2)

Also available ELISA Targets in Cytokine Storm.



ELISA for Research







Antibody & Antigen Detection Kits for SARS-CoV-2

VALIDATED

Pre-coated ELISA kits or GeniePlex Multiplex immunoassays with extensive validation data

FLEXIBLE

Validated kits for Human, Mouse, Rat & other species

SENSITIVE

Highly sensitive, Ready-to-use pre-coated kits and GeniePlex Multiplex immunoassays

SPECIFIC

Recognition of antigens or antibodies and tested for cross-reactivity

SKU	Product Name	Assay Type	Species
HUES03618	COVID-19 IgM ELISA Kit	ELISA Kit	SARS-CoV-2
HUES03617	COVID-19 IgG ELISA Kit	ELISA Kit	SARS-CoV-2
СВК04144	Spike RBD Protein Antibody ELISA Kit	ELISA Kit	SARS-CoV-2
CBK04137	Spike RBD Protein IgG Antibody ELISA Kit	ELISA Kit	SARS-CoV-2
CBK04145	Spike S1 Protein Antibody ELISA Kit	ELISA Kit	SARS-CoV-2
CBK04135	Spike S1 Protein ELISA Kit	ELISA Kit	SARS-CoV-2
CBK04138	Spike S1 Protein IgG Antibody ELISA Kit	ELISA Kit	SARS-CoV-2









BPS Bioscience has developed innovative assays and screening methods to enable a wide range of preclinical activities for investigating potential COVID-19 antiviral drugs.

Screening Assay Formats

SCREENING ASSAY KIT	PROTOCOL	BPS #
ACE2:Spike S1-Biotin (SARS-CoV-2) Chemiluminescent	ACE2 SPIKE Biotin STREP -Biotin	79945
ACE2: Spike RBD (SARS-CoV-2) Chemiluminescent	ACE2 SPIKE Anti-Fc -HRP Substrate	79936
Spike RBD (SARS-CoV-2) : ACE2 Chemiluminescent	SPIKE ACE2 ACE2	79931
Spike S1 (SARS-CoV-2): ACE2 Colorimetric	SPIKE ACE2 Biotin STREP -HRP Substrate	79954
Spike S1-Biotin(SARS-CoV-2):ACE2 TR-FRET	ACE2-EU Dye Labeled Acceptor	79949
ACE2 or 3CL Fluorogenic	ACE2 or 3CL Inhibitor Substrate	79923 79955 •BPS



BloVision Incorporated



Assays





Inhibitor Screening Kit

ACRO has developed the 2019-nCoV inhibitor screening kit based on the biotinylated ACE2 protein and 2019nCoV S protein RBD. This inhibitor screening ELISA pair is designed to facilitate the identification and characterization of 2019-nCoV inhibitors for development studies for vaccines, therapeutic antibodies and small molecular compounds against COVID-19.



SARS-CoV-2 Pseudovirus

Neutralization Assay

SARS-CoV-2 pseudovirus neutralization assay has potential applications in the diagnosis, prophylaxis, and treatment of SARS-CoV-2.

At present, we have successfully developed a SARS-CoV-2 pseudovirus with HIV lentiviral vector. The Luciferase luminescence value reaches 106 RLU after the pseudovirus infection, which can meet the



Pseudotyped Luciferase rSARS-CoV-2 Spike

Pseudotyped Luciferase rSARS-CoV-2 Spike is a replicationrestricted, recombinant pseudotyped lentiviral particles containing SARS-CoV-2 spike protein. Because the infectivity of Pseudotyped Luciferase rSARS-CoV-2 is restricted to a single round of replication, the pseudotypes can be handled using BSL-2 containment practices.

Human ACE2 Stable Cell Line - HEK293T

This cell line is constructed by tranducing human angiotensin I converting enzyme 2 (ACE2) into HEK293T cells, followed by stable cell selection. HEK293T is derived from HEK293 and is commonly used in scientific research. HEK293T-human ACE2 cell line can be used for *in vitro* screening and characterization of drug candidates against SARS-CoV and SARS-Cov2 (2019-nCoV).











SARS-COV-2 Antibodies



SARS-CoV-2 (COVID-19) Antibody

Our comprehensive selection of antibodies include polyclonal, monoclonal and single domain antibodies for SARS-Cov-2 structual and non structual proteins. We have an extensive portfolio of antibodies against SARS-CoV-2 structual proteins for SARS-CoV-2 spike glycoprotein protein and its subunits spike S1 protein, spike S1 RBD, spike S2, spike ECD and more. In addition, we have a line of humanized antibodies for diagnostic research and ELISA pair development purposes.

- ✓ SARS-CoV-2 Spike S1 Antibody
- ✓ SARS-CoV-2 Spike RBD Antibody
- ✓ SARS-CoV-2 Spike S2 Antibody
- ✓ SARS-CoV-2 **Spike ECD** Antibody
- ✓ SARS-CoV-2 Nucleoprotein Antibody
- ✓ SARS-CoV-2 Envelope Antibody
- ✓ SARS-CoV-2 Membrane Antibody
- ✓ SARS-CoV-2 pp1ab Antibody
- ✓ SARS-CoV-2 ORF10 Antibody

Humanized Antibodies



SANTA CRUZ Covid Antibodies

PRODUCT NAME	CATALOG #	DESCRIPTION
ACE2 Antibody (E-11)	sc-390851	recommended for detection of ACE2 of mouse, rat and human origin by WB, IP, IF, IHC(P) and ELISA
Coronavirus Antibody (FIPV3-70)	sc-65653	recommended for detection of Coronavirus by WB, IF and IHC(P)
TMPRSS2 Antibody (H-4)	sc-515727	recommended for detection of TMPRSS2 catalytic chain of mouse, rat and human origin by WB, IP, IF, IHC(P) and ELISA





Antibodies





ANTIBODIES FOR **CORONAVIRUSES**



Therapeutic Antibodies

Recombinant Antibodies • Recombinant human anti-SARS-CoV monoclonal antibody binds to spike protein associated with SARS-CoV and can be **potentially used in the diagnosis and treatment of SARS-CoV infection.**

•Recombinant Mouse Antibody scFv Fragment raises against SARS-CoV NP, SARS-COV S, SARS_CoV E2





As part of our comprehensive Infectious disease portfolio, Biorbyt is able to offer a range of **primary antibodies and antigens to Coronavirus**, validated for use in applications from ELISA and Western Blot to Lateral flow and ImmunoPrecipitation.



Spike antibodies

ACE2 and TMPRSS2 antibodies

Nucleocapsid protein antibodies

The newly identified coronavirus, SARS-CoV-2 (previously known as 2019-nCoV) shares 79.5% sequence identify with SARS-CoV. The viral genome encodes spike, envelope, membrane, nucleocapsid, and multiple non-structural proteins. arigo offers quality antibodies and proteins to facilitate the research of SARS-CoV-2.



Viral Proteins



<u>S</u> pike (S)	
Glycoprotein	
Envelope (E) protein	
Membrane (M) protein	
Nucleocapsid (N) protein	
3CL Protease (Mpro)	



Interaction Proteins

CAT.NO.		PRODUCT	NAM	ие						IDENTITY	SPECIES	SOUR	RCE
ACE2-736H		Recombina	nt Hu	ıman ACE2, His-t	aggeo	ł				ACE2-His	Human	HEK2	93
ACE2-68H		Recombina	nt Hu	iman ACE2, Fc-ta	ngged					ACE2-hFc	Human	HEK2	93
ACE2-185H		Recombina	nt Hu	iman ACE2, mou	se IgG	61 Fc-tagged				ACE2-mFc	Human	HEK2	93
TMPRSS2-1856F	H	Recombina	nt Hu	iman TMPRSS2 F	Proteir	n (106-492 aa), H	is-tag	ged		TMPRSS2-His	Human	Yeast	
TMPRSS2-4899	н	Recombina	nt Hu	iman TMPRSS2,	his-tag	gged				TMPRSS2-His	Human	HEK2	93
ACE2-229H		Recombina	nt Hu	iman ACE2 prote	in, Hi	s/Avi-tagged				ACE2-His/Avi	Human	Mamn	nalian cells
Druggable Targ	jets												
BRD2	BR	D4		CSNK2A2]	HDAC2]	ATP6AP1		SIGMAR1	TMEM97		СОМТ
PTGES2	NE	UFS1		NDUFS2]	NDUFS3]	NDUFS4		NDUFS5	NDUFS6		NDUFS7
NDUFS8	RIF	РК1		PRKACA]	IMPDH2]	GLA]	DNMT1	LOX		MARK2

ABCC1

CEP250

LARP1

CUL2

Corona Virus Proteins

DCTPP1

EIF4E2

твк1

RAE1

F2RL1

NEK9

- Spike
- ✤ 3CL

MARK3

FKBP7

- ✤ Envelope
- ✤ NS and more over



FKBP15

FKBP10



Viral Proteins



🕤 SignalChem

COVID-19 Related Products

Name	Catalog Number	Activity	Species	Tag	Expression System	Sequence	Genbank Number
2019-nCoV PLpro, Active	C19PL-G241H	Activity Assay, Inhibition Profile	Virus	HIS	E.coli	1564-1882	QHD43415
2019-nCoV RdRp, Active	C19RP-G241H	Activity Assay	Virus	HIS	CH0 cells	Full length	QHD43415
2019-nCoV Spike protein RBD	C19SD-G241H	ELISA, FACS	Virus	HIS	CH0 cells	319-541	MN908947
2019-nCoV Spike protein RBD	C19SD-G241F	ELISA, FACS	Virus	Fc	CH0 cells	319-541	MN908947
2019-nCoV Spike protein S1	C19S1-G241F	FACS	Virus	Fc	CH0 cells	16-685	MN908947
2019-nCoV Spike protein S1	C19S1-G241H	FACS	Virus	HIS	CHO cells	16-685	MN908947
ACE2 (18-615) Protein	A51C2-G342F	ELISA	Human	Fc	CH0 cells	18-615	AF291820
ACE2 (19-740) Protein	A51C2-G341F	Activity Assay, ELISA	Human	Fc	CHO cells	19-740	AF291820
Anti-2019-nCoV Spike (mFc)	C19S1-61MH	ELISA	Human		CHO cells		
Anti-2019nCoV Spike Protein	C19S1-61H	ELISA, FACS	Human, IgG1		CHO cells		
Anti-Human IgG, Unconjugated	H38-60M		Mouse, IgM				
Anti-Human IgM, Unconjugated	H38M-60M		Mouse, IgG				
Cas12 (LbCpf1) Protein	C12CR-G241H		Lachnospiraceae	HIS	E.coli	1-1227	ATB19154
Cas12(LbCpf1) Protein	C12CR-G241G		Lachnospiraceae	GST	E.coli	1-1227	ATB19154
CD147 (22-205) Protein	C81D7-G651F	ELISA	Human	Fc	CHO cells	22-205	NM_198589
METTL16, Active	M336-380G	Activity Assay	Human	GST	Sf9 insect cells using baculovirus	Full length	NM_024086
METTL3/METTL14, Active	M323-380G	Activity Assay	Human	GST	Sf9 insect cells using baculovirus	Full Length	NM_019852
Proteinase K, Active (MBG)	P535-30N		Parengyodontium		Yeast cells		



Recombinant Proteins for Biopharma Industry





Inflammatory Proteins





Reagents to support your COVID-19 research



Cytokine and Immune response products

HUMANKINE[®]ACTIVE CYTOKINES AND GROWTH FACTORS

- Human cell-expressed
 - Free of animal components
- Endotoxin-free

- Higher activity and stability
- Native post-translational modifications and folding







Covid-19 Cytokine Storm

Severe patients have significantly higher levels of plasma pro-inflammatory factors (IL2, IL7, IL-10, GSCF, IP-10, MCP-1, MIP1A, TNF- α) than mild patients with COVID-19, and these inflammatory indicators indicate a cytokine storm.



Multiplex assay and Cytokine Service



GeniePlex: Quantitively Measure 1-24 Analytes Simultaneously!

MFI

GeniePlex is a bead-based multiplex immunoassay technology. It enables the simultaneous & quantitative detection of up to 24 analytes in as little as 15 µl sample on almost any flow cytometer. It's like doing 24 different ELISA in every well!

Phenomenal Performance

Very Sensitive: Measure as low as <10 pg/ml of each analyte Excellent Dynamic Range: Lower limit < 20 pg/mL | Upper limit > 5,000 pg/mL High Precision & Accuracy: Intra-assay CV: < 10% | Inter-assay CV: < 20% | Recovery: 70-130% Low Sample Volumes: Use as little as 15 µl of sample Validated: All assays fully tested for cross-reactivity in our lab

Unbeatable Flexibility

Comprehensive Choice of Targets: Up to 400 assays & custom formats available for human, mouse, rat, porcine, canine and primates Wide Range of Sample Types: Cell culture supernatants, saliva, plasma, cell/tissue lysates, serum, BALF,

pleural and peritoneal fluids & more

Multiple Formats: 32-well and 96-well sizes available



Cytokine Storm Testing for SARS-CoV-2/COVID-19 Research

Measure 46 key inflammation markers in a cost-effective and efficient manner from 5 validated multiplex panels covering inflammatory pathways including cytokines, chemokines, vascular proteins and acute-phase reactants.

1

CORE1 (CytokineMAP [®] A)	Core2 (CytokineMAP [®] B)	НМР8	HMP2	Core4
1. GM-CSF	1. BDNF	1. Adiponectin	1. Lp(a)	1. AAT
2. IFN-gamma	2. Eotaxin-1	2. A2Macro	2. B2M	2. C3
3. IL-2	3. Factor VII	3. EN-RAGE	3. CRP	3. Fibrinogen
4. IL-3	4. ICAM-1	4. Ferritin	4. SAP	4. Haptoglobin
5. IL-4	5. IL-1 alpha	5. Myoglobin	5. TBG	5. Ig A
6. IL-5	6. IL-1 beta	6. PAI-1	6. vWF	6. Ig M
7. IL-6	7. IL-1ra	7. PARC		7. VDBP
8. IL-7	8. IL-12p40	8. RANTES		
9. IL-8	9. IL-12p70	9. TIMP-1		
10. IL-10	10. IL-17	10. TNFR2	· · · · ·	
11. IL-18	11. IL-23	11. VCAM-1		
12. MIP-1 alpha	12. MMP-3			•
13. MIP-1 beta	13. MMP-9			
14. MCP-1	14. SCF			
15. TNF-alpha	15. VEGF			
16. TNF-beta			WH	EN 🥑 DECISIONS M

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Sample Volume Requirements - SERUM OR PLASMA: 50 µL. | Intended for research use only









SARS-CoV-2 — The Battle against Coronavirus has just Begun

SARS-CoV-2	Compound	Information	Status
	Saquinavir	An HIV Protease inhibitor.	FDA approved
3CLpro	Carfilzomib	An irreversible proteasome inhibitor.	FDA approved
	Nelfinavir	An orally bioavailable HIV-1 protease inhibitor ($K_{i} {=} 2 \mbox{ nM})$ and antiviral agent.	FDA approved
S Protein & ACE2	Bimosiamose	A nonoligosaccharide pan-selectin inhibitor and has anti-inflammatory effects.	Phase 2
RdRp	Zanamivir	An influenza viral neuraminidase inhibitor.	FDA approved
nsp15	Ribavirin	An antiviral agent against a broad spectrum of viruses including HCV, HIV, and RSV.	FDA approved
PLpro	Epetraborole hydrochloride	A leucyl-tRNA synthetase (LeuRS) inhibitor. Intended for the infections caused by Gram-negative bacteria.	Phase 2





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Anti-2019nCoV Spike Protein	C19S1-61H	ELISA, FACS	Human, IgG1		CHO cells		
Anti-Human IgG, Unconjugated	H38-60M		Mouse, IgM				
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CD147 (22-205) Protein	C81D7-G651F	ELISA	Human	Fc	CHO cells	22-205	NM_198589
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METTL3/METTL14, Active	M323-380G	Activity Assay	Human	GST	Sf9 insect cells using baculovirus	Full Length	NM_019852
Proteinase K, Active (MBG)	P535-30N		Parengyodontium		Yeast cells		









Lectins Used For Coronavirus Research

Plant-derived lectins are known potent inhibitors of coronaviruses that act by preventing binding to cellular membranes. Further research endeavors are focusing on how lectins can block viral infection of human cells and their potential as therapeutic agents.

Lectins from various sources have been shown to exhibit potent antiviral properties by inhibiting infection of clinically important viral pathogens. The antiviral activity of lectins is largely attributed to direct binding to viral envelope glycans and preventing entry of the virus into cells. Several lectins, particularly plant lectins with affinity toward mannose and N-acetylglucosamine (GlcNAc) sugar moieties, have been identified as potential therapeutic agents in the prevention of viral transmission in human immunodeficiency virus (HIV) and coronaviruses (SARS-CoV and MERS-CoV).

Vector Laboratories is an established manufacturer of many plant lectins that are described in the literature as valuable tools in ongoing research to elucidate their potential in suppression of viral activity. Below is a list of mannose-specific and mannose/glucose-specific lectins, available in unconjugated and conjugated formats.

- Galanthus nivalis
 Concanavalin A
- Hippeastrum hybrid
 • Lens culinaris
 • Pisum sativum
- Narcissus pseudonarcissus Musa paradisiaca

Based on prior studies on coronaviruses such as SARS-CoV and MERS-CoV, mannose-specific plant lectins can be used to investigate antiviral properties of the novel coronavirus SARS-CoV-2, the virus that causes COVID-19.

References:

- 1. Mitchell, C. et al. Antiviral Lectins: Selective Inhibitors of Viral Entry. Antiviral Res. 2017 Jun; 142: 37–54. (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5414728/)
- Keyaerts, E. et al. Plant lectins are potent inhibitors of coronaviruses by interfering with two targets in the viral replication cycle. Antiviral Res. 2007 Sep;75(3):179-87. (<u>https://www.sciencedirect.com/science/article/pii/S0166354207002380?via%3Dihub</u>)
- 3. Ritchie, G., et al. Identification of N-linked carbohydrates from severe acute respiratory syndrome (SARS) spike glycoprotein. Virology. 2010 Apr 10;399(2):257-69.

(https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3412594/)

4. Fung, S. and Liu, DX. Post-translational modifications of coronavirus proteins: roles and function. Future Virol. (2018) 13(6), 405–430. (<u>https://www.futuremedicine.com/doi/full/10.2217/fvl-2018-0008</u>









Pro5® MHC Class I Pentamers

ProT2® MHC Class II Tetramers

New products for understanding CD8+ and CD4+ T cell responses to CoVID-19/SARS-CoV-2



The following product range of **CoVID-19/SARS-CoV-2** specific <u>Pro5® Pentamers</u> and <u>ProT2® Tetramers</u> for a range of <u>published CD8+ and CD4+ T cell</u> <u>epitopes</u> is available ordering immediately.

We can help you understand and manage immune responses!

Our unique solutions for immunology research can save you time, money and risk, whether your objective is basic research, preclinical or clinical development.



Isolation & Extraction





At this time, since saliva is considered an equivalent sample type for RT-PCR diagnosis of SARS-COV-2, it is being rapidly validated in clinical labs as the alternate sample type - with the benefit of self-collection, cheaper, and equally or more sensitive sample than a NPS swab.

Salimetrics provides Saliva Collection Aid (cat#5016.02), for collecting saliva into cryovials!





- Simple and easy to use
- Increased participant compliance
- Individually packaged in a clean, foil pouch
- FDA Listed
- One-time use and dispose
- Ready-to-go instructions
- Vented design helps avoid sample foaming
- Constructed of polypropylene to avoid sample retention or contamination
- Universal fit with common external thread cryovials
- Allows sample collection directly into cryovials in the field



Isolation & Extraction







✤ BioServUK MagBead Viral RNA Lysis Buffer Cat# BSV-COV-001/2

is intended for the isolation and purification of total nucleic acids (DNA/RNA) from *biological* specimens for in vitro diagnostic procedures.

Designed for:



- > Nasopharyngeal swab samples
- Lysis of DTT pre-treated sputum samples which had been spun down to pellets before adding the RNA Lysis buffer
- > Stabilization of nucleic acids with lysates
- > Nucleic acid purification using magnetic bead

SpinStar Viral Nucleic Acid Cat# BSV-COV-005



> Efficient extraction of viral nucleic acids

from fresh or frozen human serum and plasma, respiratory specimens in VTM and stool

> The kit is a validated one stop solution for extraction of both viral DNA and viral RNA

> The purified DNA and/or RNA is ready to use for down stream analyse is like PCR, real-time PCR or any other molecular application that requires pure nucleic acids of high quality and integrity





Isolation & Extraction





- Cat# S 400 20.1L Magnetic Preparation Kit to perform the most rapid, sensitive and reliable form of viral RNA extraction. Originally developed for veterinary diagnostics, the new viral extraction kit offers the possibility to isolate highly purified viral RNA/DNA quickly, safely and in high volumes.
- ➢ RoboPrep[®] 32













Coronavirus (COVID-19) kits for RT-qPCR (quantitative reverse transcriptase PCR or real-time RT-PCR) enable quantitative data to be extracted from RNA samples. The one step, ready-to-use kits contain a variety of components, typically including reverse transcriptase, polymerase, buffers, fluorescent probes, primers, dNTPs, RNase inhibitors as well as both positive (PC) and negative controls (NC).

	BSV-qPCR-06	COVID-19 RT-qPCR Rapid Detection Kit	100 Reactions	RUO
	BSV-qPCR-05	Coronavirus (SARS-CoV-2) PCR Detection Kit	100 Reactions	RUO
	BSV-qPCR-07	COVID-19 PCR detection kit	100 reactions	IVD
RT-qPCR	BSV-qPCR-09	LyteStar 2019-nCoV PCR detection kit - Complete (E gene & RdRP gene)	2x 48 reactions	RUO
Detection Kits	BSV-qPCR-10	LyteStar 2019-nCoV PCR detection kit S (E gene)	96 reactions	RUO
	BSV-qPCR-08	Respiratory 19 Virus/Bacteria PCR detection kit	100 reactions	RUO
	CLO-RT-25	RT-PCR quantitative COVID-19 assay CE-IVD	48 Reactions	IVD
	PRD-Z-Path-COVID-19- CE	Coronavirus RT-PCR COVID-19 Test Kit	1 Kit	IVD



"Made in Germany" SARS-CoV-2 Detection Kits microproof® SARS-CoV-2 Screening /

Identification Kits



microproof[®] SARS-CoV-2 Screening/Identification Kits

The **micro**proof[®] SARS-CoV-2 Screening/Identification Kits* are one-step reverse transcription real-time PCR assays intended for the in vitro qualitative detection of SARS-CoV-2 to support the diagnosis of COVID-19.

The **micro**proof[®] SARS-CoV-2 Screening Kit detects the E gene (E) for *Betacoronavirus*, while the **micro**proof[®] SARS-CoV-2 Identification Kit only targets the SARS-CoV-2 specific RNA-dependent RNA polymerase (RdRp) gene.

The E gene assay is recommended to screen for SARS-CoV-2, SARS-CoV and other SARS-related CoVs. The RdRp gene assay is used for the specific confirmation of SARS-CoV-2. For the E gene and RdRp, the fluorescence marker FAM is used, and ROX for the internal control. MS2 DNA or an MS2 phage are included in the kits as internal controls and as process controls.



SARS-CoV-2

RT-qPCR



SARS-CoV-2 qPCR & Viral RNA extraction Kits

Positive identification of SARS-CoV-2 infection in patients is carried out by nasopharyngeal swabbing and isolation of RNA for testing for SARS-CoV-2. At Assay Genie we provide both a Viral RNA extraction kit and qPCR reagents for SARS-CoV-2 identification.



COVID-19 (SARS-CoV-2) Triplex RT-qPCR Detection Kit





WANTAI SARS-CoV-2 RT-PCR

High efficiency

Magnetic particles are used to extract the nucleic acid, and it has a high purified performance compared with other methods.



20 minutes for extraction and 70 minutes for amplification. The total cost is only 90 minutes.

High sensitivity

Superior limit of detection It is monitored by internal control from start to end that can avoid the false negative results.



High specificity There is no cross reactions with common respiratory infectious pathogens.





Why Purchase SARS-Coronavirus Products from DBA Italia?

- Highest standards of product quality
- Efficient and high-quality services
- Outstanding researchers and advanced technologies
- Most in-stock and ready to ship worldwide
- First-class pre and after-sale service







Informazioni generali - Preventivi info@dbaitalia.it



Invio ordini - Stato degli ordini orders@dbaitalia.it



Informazioni tecniche prevendita support@dbaitalia.it



Supporto tecnico postvendita technical@dbaitalia.it



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