

# A complete solution for COVID-19 diagnosis

- Extraction robots and consumables
- Magnetic bead extraction kits
- SARS-CoV-2 / Influenza Triplex RT-qPCR
- SARS-CoV-2 Triplex RT-qPCR
- Serological tests (IgG, IgM and IgA ELISAs)



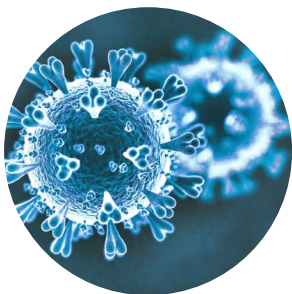
**ID-Solutions**, created in 2015 and based near Montpellier, France, develops and produces digital PCR oncology tests for human health, as well as a complete solution for COVID-19 diagnostics.



## Innovation in oncology diagnostics

ID-Solutions develops, produces and markets a complete solution for oncology diagnostics, from extraction of circulating cell-free DNA or DNA isolated from FFPE tissues, to molecular typing.

The company offers standard operating procedures, and diagnostic and theranostic tools with high sensitivity to meet current clinical oncology requirements.



## A complete solution for COVID-19 diagnostics

The company has also developed a complete solution for SARS-CoV-2 molecular diagnosis, including robots, consumables and reagents for extraction, and a highly-sensitive RT-PCR amplification kit.

In addition, ID-Solutions offers a Triplex RT-PCR for the detection of Influenza and COVID-19 in a single test. The company also offers serological tools developed by its sister company, for the specific detection of IgG, IgM and IgA antibodies to SARS-CoV-2.



## Highly-trained specialists

The scientific team is composed of highly trained specialists with more than 20 years of expertise in nucleic acid extraction, molecular biology and oncology. This team works hand in hand with ID-Solutions' sister company, Innovative Diagnostics. Created in 2004, Innovative Diagnostics, with over 100 employees, is a leader in the development and production of diagnostic tests for many infectious zoonotic diseases.



## Industrial know-how

ID-Solutions produces its tests in state-of-the-art facilities, in accordance with industrial methods to meet the highest criteria of stability and standardization.

# Automated extraction

## IDEAL™ EXTRACTION ROBOTS

The IDEAL™ extraction robots offer nucleic acid purification with high efficiency and purity.

They are designed to deliver high-quality results while minimizing handling, helping you automate a significant part of your workflow.

Choose from **two systems** depending on your throughput:



### IDEAL™ 96:

- + High throughput: process 96 samples in 20 minutes
- + Stronger magnets to increase extraction capacity



### IDEAL™ 32:

- + For small and medium throughput: process 32 samples in 20 minutes
- + UV lamp and heating block included

Programs may be run directly from the instruments: **simply plug and play!**

## Features

- + Pre-loaded with protocols for the ID Gene™ extraction kits
- + Flexible: create or modify your own protocols
- + Easy-to-use with a touchscreen and a user-friendly interface
- + Open system: use with any magnetic bead extraction kit
- + Start and stop feature: resume your program if the machine is stopped
- + Robust: no metrology required
- + CE marking

# Automated extraction

## ID GENE™ EXTRACTION KITS

Use with ID-Solutions' extraction robots IDEAL™ 32 and IDEAL™ 96 or any other robot with an open system.

- **ID Gene™ Mag Virus Extraction Kit**

Ref. [MAGVIRUS-250](#)

Optimized yield, with results in only 26 minutes



- **ID Gene™ Mag Fast Universal Extraction Kit**

Ref. [MAGFAST-384](#) / [MAGFAST-768](#)

Results in only 20 minutes

Spin columns (manual extraction) available upon request.

# SARS-CoV-2 / Influenza Triplex RT-qPCR



The **ID™ SARS-CoV-2 / Influenza Triplex** detection kit is a triplex RT-PCR which specifically amplifies two target sequences of the SARS-CoV-2 coronavirus, as well as two target sequences of the Influenza A and B virus. The kit thereby allows for the **differential diagnosis of COVID-19 and Influenza in a single test**.

An endogenous internal control ensures sample presence and the absence of false negative results and a non-infectious viral particle with a RNA genome validates the extraction and reverse transcriptase step.

## + HIGHLY SENSITIVE AND SPECIFIC

- High specificity thanks to the dual detection system of two target genes of the SARS-CoV-2 coronavirus (N and RdRp) in FAM
- Dual target detection system of Influenza A and B virus in HEX/VIC
- **High sensitivity** : Limit of Detection (LOD95%) < 12 copies/PCR

## + RELIABLE RESULTS

- **Endogenous internal control** to ensure sample presence and the absence of false negatives
- **Positive Extraction Control (PEC): unique on the market**, for the validation of the extraction process and reverse transcriptase step
- **Positive Amplification Control (PAC)** for the validation of the amplification step
- CE-IVD marked

## + SIMPLE AND RAPID OPERATION

- One step RT-PCR, results are obtained within 1 hour
- **Ready-to-use**



### RAPID

Results obtained in 1 hour



### RELIABLE

Thanks to a positive extraction control and an endogenous internal control



### READY-TO-USE

± 2 minutes hands-on time to start



### FLEXIBLE

Validated on the main thermocyclers on the market

## Specifications

METHOD	RT-PCR - Triplex - Qualitative	
SAMPLE TYPES	Nasopharyngeal, oropharyngeal swab and sputum samples from humans	
TARGETS	Two target genes of the SARS-CoV-2 coronavirus in FAM and two target genes of the Influenza A/B virus in VIC/HEX	
CONTROL	Endogenous internal control in Cy5 Non-infectious viral particle with a RNA genome in Cy5	
PRODUCT NAME	ID™ SARS-CoV-2 / Influenza Triplex	
PRODUCT CODES	IDRESPI-P1-100	IDRESPI-P1-500
FORMATS	100 tests	500 tests



# SARS-CoV-2 Triplex RT-qPCR



The **IDNCOV-2** detection kit is a triplex RT-PCR which specifically amplifies two target sequences in the gene coding for the nucleocapsid (N) protein of the SARS-CoV-2 coronavirus, as well as an endogenous control.

## + HIGHLY SENSITIVE AND SPECIFIC

- High specificity thanks to the use of targets developed by the Center for Disease Control and Prevention (CDC, USA)
- High sensitivity: Limit of Detection (LOD95%) < 15 copies/PCR

## + RELIABLE RESULTS

- Dual-detection system of two target genes of the N protein
- Endogenous internal control to ensure sample presence and the absence of false negatives
- Validated by the French National Reference Laboratory and CE-IVD marked

## + SIMPLE AND RAPID OPERATION

- One step RT-PCR, results are obtained within 1 hour



### RAPID

Results obtained in 1 hour



### RELIABLE

Thanks to a dual-detection system and an endogenous internal control



### READY-TO-USE

± 2 minutes hands-on time to start



### FLEXIBLE

Validated on the main thermocyclers on the market

## Specifications

METHOD	RT-PCR - Triplex - Qualitative	
SAMPLE TYPES	Nasopharyngeal, oropharyngeal swab and sputum samples from humans	
TARGETS	Dual detection of two sequences in the nucleocapsid-coding gene in FAM and VIC	
INTERNAL CONTROL	Amplification of an endogenous internal control in Cy5	
PRODUCT NAME	IDNCOV-2	
PRODUCT CODES	IDNCOV2q-100	IDNCOV2q-500
FORMATS	100 tests	500 tests



# Ordering information

PRODUCT DESCRIPTION	REACTIONS	REFERENCE
<b>Extraction robots</b>		
IDEAL™ 96 robot: Magnetic beads system for automated DNA/RNA purification	96	IDEAL-96
IDEAL™ 32 robot: Magnetic beads system for automated DNA/RNA purification	32	IDEAL-32
<b>Plastic consumables for IDEAL™ 96</b>		
Plastic tip combs		IDTIP-96
Elution plate		IDELU-96
Deepwell plate		IDWELL-96
<b>Plastic consumables for IDEAL™ 32</b>		
Plastic tip combs		IDTIP-32
Deepwell plate		IDWELL-32
<b>Magnetic bead extraction kits</b>		
ID Gene™ Mag Virus Extraction Kit	250	MAGVIRUS-250
	384	MAGFAST-384
ID Gene™ Mag Fast Universal Extraction Kit	768	MAGFAST-768
<b>Silica columns for manual extraction</b>		
ID Gene™ Spin Universal Extraction Kit	50	SPIN50
	250	SPIN250
<b>RT-qPCR kits</b>		
IDNCOV-2 Triplex RT-PCR <span style="border: 1px solid black; padding: 2px;">CE-IVD</span>	100	IDNCOV2q-100
	500	IDNCOV2q-500
ID™ SARS-CoV-2/ Influenza Triplex RT-PCR <span style="border: 1px solid black; padding: 2px;">CE-IVD</span>	100	IDRESPI-P1-100
	500	IDRESPI-P1-500
<b>Serological ELISA tests (manual/automatable)*</b>		
ID Screen® SARS-CoV-2-N IgG Indirect <span style="border: 1px solid black; padding: 2px;">CE-IVD</span>	384	SARSCOV2S-4P
	768	SARSCOV2S-8P
ID Screen® SARS-CoV-2-N IgM Capture	384	SARSCOV2IGM-4P
	768	SARSCOV2IGM-8P
ID Screen® SARS-CoV-2-N IgA Indirect	384	SARSCOV2IGA-4P
	768	SARSCOV2IGA-8P

\* 96-well ELISA format.

\* Test serum/plasma & dry blood spots.



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