



Ready-to-serve solutions to support your fight against Coronavirus

A novel Coronavirus **SARS-CoV-2 (COVID-19)**, currently termed **nCOV**, Canvax Biotech, as leading and **original Manufacturer of Most Innovative Molecular & Cell Biology Reagents** offers solutions to **fight against Coronavirus**.

Highlight Products:

COVID Extraction Kits

- **CVX-Mag™ Viral RNA Extraction Kit (CE-IVD)**
- **CVX™ Viral RNA Extraction Minispin Kit (CE-IVD)**
- **HigherPurity™ Viral RNA Extraction Kit**

One-Step Coronavirus Detection

- **qMAXSen™ SARS-CoV-2 RT-qPCR Detection Kit [N1 and RNase P genes-based assay]**

Related Enzymes & Reagents

- **M-MLV Reverse Transcriptase**
- **Proteinase K (Lyophilized)**
- **AMV Reverse Transcriptase**
- **DNase I**
- **RNase Inhibitor**
- **RNase A**
- **PRImeZOL™ Reagent**

Promo Prices valid until March 31th, 2019.

Highlight Products:

COVID Extraction Kits

- [CVX-Mag™ Viral RNA Extraction Kit \(CE-IVD\)](#)

For a Higher Specificity & Sensitivity for Manual & Automated Extractions in KingFisher™ Flex

Product Overview:

CVX-Mag™ Viral RNA Extraction Kit (CE-IVD), based on Paramagnetic Beads technology, is a designed for rapid manual and automated purification of Viral RNA from cell such as Serum, Plasma, Urine, Cell free body fluids, Cell Culture supernatants and Rinse liquid from swabs samples.

The extraction process includes an initial lysis step with the appropriate Buffer to ensure efficient lysis and nucleic acid release from the virus, Nucleic acid binding to the surface of the magnetic beads, washing and elution. Additionally, it includes the Carrier RNA that improves binding and recovery of low-concentrated viral RNA.

Cat. No.	Size	Price
AN0501	100 rxn or 96-well plate	<u>Quote Request</u>
AN0501-XL	500 rxn or 5 x 96-well plate	<u>Quote Request</u>

Promo Prices valid until March 31th, 2019.

Highlight Products: COVID Extraction Kit



- [CVX™ Viral RNA Extraction Kit, CE-IVD](#)

For a Higher Specificity & Sensitivity for Manual & Automated Extractions in QIAcube®

Product Overview:

CVX™ Viral RNA Extraction Kit (CE-IVD) is designed for the rapid simultaneous purification of viral RNA from cell-free samples such as Serum, Plasma, Urine, Cell free body fluids, Cell Culture supernatants and Rinse liquid from swabs samples.

Viral RNA molecules bind to the silica-based media and impurities such as proteins and nucleases are removed by thorough washing with Wash Buffer. The RNA is then eluted in sterile, RNase free water. The isolated Viral RNA is ready-to-use and should be stored at - 70 °C.

The procedure can be used for isolation of viral RNA from a broad range of viruses. However, performance cannot be guaranteed for every virus species and must be validated by the customer. The amount of purified viral RNA depends on the sample type, the virus titer, sample source, transport, storage, and age. The Kit also includes carrier RNA that improves binding and recovery of low-concentrated viral RNA.

Cat. No.	Size	Price
AN0105	100 rxn	Quote Request
AN0105-XL	500 rxn	Quote Request



Highlight Products:

COVID Extraction Kits

- [HigherPurity™ Viral RNA Extraction Kit](#)

For a Highly Efficient, Safe & Rapid Purification Viral RNA for Coronavirus applications

Product Overview:

HigherPurity™ Viral RNA Extraction Kit is designed for the rapid simultaneous purification of viral RNA from cell –free samples such as Serum, Plasma, Urine, Cell free body fluids, Cell Culture supernatants and Rinse liquid from swabs samples. Viral RNA molecules bind to the silica-based media and impurities such as proteins and nucleases are removed by thorough washing with Wash Buffer. The RNA is then eluted in sterile, RNase free water. The isolated Viral RNA is ready-to-use and should be stored at – 70°C.

The procedure can be used for isolation of viral RNA from a broad range of viruses. However, performance cannot be guaranteed for every virus species and must be validated by the customer. The amount of purified viral RNA depends on the sample type, the virus titer, sample source, transport, storage, and age. The Kit also includes carrier RNA that improves binding and recovery of low-concentrated viral RNA.

Cat. No.	Size	Price
AN0805	100 rxn	Quote Request
AN0805-XL	500 rxn	Quote Request



Highlight Products:

One-Step Coronavirus Detection

- [qMAXSen™ SARS-CoV-2 RT-qPCR Detection Kit \[N1 and RNase P genes-based assay\]](#)

For Robust and Reproducible One-Step Detection according to 2019-nCoV CDC Assays

Product Overview:

This kit describes the use of real time RT-PCR for the *in vitro* detection of SARS-CoV-2 in respiratory specimens (*sputum; nasopharyngeal, oropharyngeal aspirates, washes or swabs; tracheal aspirates*).

qMAXSen™ Coronavirus (SARS-CoV-2) RT-qPCR Detection Kit [N and RNase P genes-based Assay] allows efficient cDNA synthesis and Real-Time PCR in a single tube. The kit includes a RT-qPCR MasterMix supplied in a 4x and a vial with **Ribonuclease Inhibitor**.

Also, the Kit contains two sets of **Primers and Fluorescent Probe** designed according to **CDC (Centers for Disease Control and Prevention)** to target regions of the **Virus Nucleocapsid (N) Gene**, and to detect the human **RNase P** used as a control to assess specimen quality. The probes are readout in different channels. Coronavirus SARS-CoV-2 RNA target is amplified and detected in the **FAM channel**, Human RNase P target is amplified and detected in the **HEX, VIC or JOE channel** (depending on the equipment used).

Cat. No.	Size	Price
E01595	100 rxn (of 20 µL/each)	424,00 €

Highlight Products:

Sample Collection

- [Saliva Sample Collection & Stabilization Kit](#)

For an Easy, Convenient & Safe Collection, Transportation and Storage of Saliva samples

Product Overview:

Saliva Sample Collection & Stabilization Kit offers an easy, convenient and safe method for the collection, stabilization, transportation and storage of saliva samples. It is based in an optimized **Saliva Preservation Solution** that effectively stabilizes buccal cells and white blood cells found in saliva over 1 year at room temperature and more than 2 years at -20 °C or -80 °C. It is individually packed.

- [Saliva RNA Sample Collection & Stabilization Kit](#)

For an Easy, Convenient & Safe Collection, Transportation and Storage of RNA Saliva samples

Product Overview:

Saliva RNA Sample Collection & Stabilization Kit provides an accurate, safe and rapid all-in-one procedure for the collection, stabilization and transportation of 1 mL Saliva samples at Ambient Temperature up to 1 month.

Saliva Sample are collected by spitting inside the collection funnel which has been assembled with the collection tube. After collecting 1 mL of Saliva the contents of Saliva Preservation Solution are added and mixed with the collected saliva. Then, the Saliva Collection tube is sent to the laboratory for RNA Isolation.

Cat. No.	Size	Price
SC001	20 units	199,00 €
SC002	100 units	733 €
SC003	250 units	1.730,00 €
SC021	20 units	249,00 €
SC022	100 units	1.049,00 €
SC023	250 units	2.334,00 €

[Would you like to test a Free Sample? Please, inquiry at Free](#)

Highlight Products: Related Enzymes & Reagents

- M-MLV Reverse Transcriptase**

Encoded Moloney Murine Leukemia Virus, purified from E.coli (200 U/ μ L)

Product Overview:

M-MLV Reverse Transcriptase (MMLV-RT), encoded by Moloney Murine Leukemia Virus (MMLV) is an RNA dependent DNA polymerase that synthesizes the cDNA first strand from a single-stranded RNA template to which a primer has been hybridized. MMLV-RT will also extend primers hybridized to single-stranded DNA.

Second strand cDNA synthesis can be achieved from some mRNA templates without an additional DNA polymerase.

Source: purified from *E.coli* strain harboring a plasmid that directs the synthesis of modified form of MMLV-RT.

MW: 69 KDa.

Cat. No.	Size	Price
P0073	10,000 units	83,00 €
P0074	50,000 units	278,00 €

- Proteinase K**

Lyophilized powder, ≥ 30 units/mg protein

Product Overview:

Proteinase K isolated from *Tritirachium album* is used for protease digestion during DNA and RNA preparation. It is a serine protease that exhibits broad cleavage specificity. With a molecular weight 28.900 kD, it cleaves peptide bonds adjacent to the carboxylic group of aliphatic and aromatic amino acids.

It is not inactivated by chelating reagents such as EDTA or detergents such as SDS and is active over a wide range of pH (4-12.5).

Cat. No.	Size	Price
EZ0011	30 mg	42,00 €
EZ0012-S	100 mg	79 €
EZ0012	5 x 30 mg	151,00 €
EZ0013	500 mg	295 €
EZ0014	1 g	498 €

[Would you like to test a Free Sample? Please, inquiry at Free](#)

Promo Prices valid until March 31th, 2019.

Highlight Products:

Related Enzymes & Reagents

- M-MLV Reverse Transcriptase**

From Avian Myeloblastosis Virus, purified from E.coli

Product Overview:

AMV Reverse Transcriptase, encoded by Avian Myeloblastosis Virus (AMLV) is an RNA-dependent DNA polymerase that synthesizes the complementary cDNA first strand from a single-stranded RNA template.

AMV Reverse Transcriptase (AMV RT) catalyzes the polymerization of DNA using template DNA, RNA or RNA:DNA hybrids. The enzyme possesses an intrinsic RNase H activity. AMV RT possesses multiple enzymatic activities including RNA- and DNA-directed DNA polymerase, DNA-RNA unwinding activity, a sequence-specific Mn²⁺-dependent endonuclease and ribonuclease H.

Source: purified from *E.coli* strain harboring a plasmid that directs the synthesis of modified form of AMLV-RT.

Cat. No.	Size	Concentration	Price
P0070	300 U	10 U/μL	108,00 €
P0071	1,000 U	10 U/μL	269,00 €
P0071-CS	1,000 U	20 U/μL	319,00 €

- DNase I RNase-Free (10 mg/mL)**

Product Overview:

DNase I is a recombinant endonuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, to release di-, tri- and oligonucleotide products (on average producing tetranucleotides) with 5'-phosphorylated and 3'-hydroxylated ends.

It acts on single-stranded DNA, double-stranded DNA, RNA-DNA hybrids and chromatin. DNase I requires bivalent cations (Mg²⁺ and Ca²⁺) for maximal activity.

Cat. No.	Size	Concentration	Price
EZ0018	1 mL	10 mg/mL	37,00 €
EZ0019	5 x 1 mL	10 mg/mL	148 €
Would you like to test a Free Sample? Please,			

Highlight Products:

Related Enzymes & Reagents

- RNase Inhibitor**

Recombinant Protein which specifically inhibits Ribonucleases A, B and C (20 U/ μ L)

Product Overview:

RNase Inhibitor is a recombinant protein which specifically inhibits Ribonucleases A, B and C. The protein inhibits RNases by binding noncovalently in a 1:1 ratio with a potent affinity ($k_i > 10^{-14}$ M). RNase inhibitor protein is purified from *E.coli* strain harbouring a plasmid with cloned gene coding of mammalian RNase inhibitor.

Cat. No.	Size	Price
P0269	2,500 U	93 €
P0270	10,000 U	279,00 €

- RNase A**

DNase & Protease-free (10 mg/mL)

Product Overview:

RNase A (Ribonuclease A) is a bovine pancreatic endoribonuclease that cleaves single-stranded RNA. It catalyzes the cleavage of the phosphodiester bond between the 5'-ribose of a nucleotide and the phosphate group attached to the 3'-ribose of an adjacent pyrimidine nucleotide. This cleavage forms a 2', 3'-cyclic phosphate, which is then hydrolysed to the corresponding 3'-nucleoside phosphate.

Cat. No.	Size	Concentration	Price
EZ0002	1 mL	10 mg/mL	37,00 €
EZ0003	5 x 1 mL	10 mg/mL	136,00 €

[Would you like to test a Free Sample? Please,](#)

Highlight Products:

Related Enzymes & Reagents

- **PRImeZOL™ Reagent**

For a Quick isolation of High-Quality Total RNA, DNA and/or protein from a single sample

Product Overview:

PRImeZOL™ Reagent is a ready-to-use reagent for the isolation of total RNA from various Biological materials such as Animal and Plant Tissues (rich in polysaccharides and proteoglycans), Cell culture and Bacterial cells.

This procedure is based on the sample lysis in cationic detergent guanidinium thiocyanate (GTC), followed by organic extractions and alcohol precipitation. The biological sample is homogenized or lysed before being separated into three phases: an aqueous phase (upper), an organic phase (lower) and an interphase. The RNA remains in the aqueous phase and its purification is followed by precipitation in isopropyl alcohol.

After removal of the aqueous phase, the DNA and proteins in the sample can be recovered by sequential precipitation. PRImeZOL™ Reagent contains phenol and the mixture of other reagents to ensure optimal results.

Cat. No.	Size	Price
AN1100	100 mL	79,00 €
<u>Would you like to test a Free Sample? Please,</u>		

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