

Molecular Diagnostic Solutions

Sample Preparation Solutions

Research Solutions





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ABOUT US

Morzon is committed to transforming businesses, shaping the future of innovation and developing technologies to drive human progress. We are passionate about driving human progress through greater access to better technology, for people with big ideas around the world.

Leadership

We believe progress sits at the intersection of humanity and technology. The role of our leadership team is to harness transformation on a global scale, so people and organizations can thrive within the digital economy.

Our Services

Morzon Technologies develops solutions to address constraints in existing genome wide expression techniques (RT-PCR, Antigen Test, RNA-sequencing and microarrays) including high cost, long execution and analysis time and requirement of trained manpower and expensive infrastructure.



Morzon HIV-1 qPCR Kit

Quantitative detection of Human Immunodeficiency virus type 1 (HIV-1) RNA

Intended Use

- Morzon HIV-1 qPCR Kit is a RT-PCR test intended for quantification of Human Immuno-deficiency virus type 1 (HIV-1) RNA in human serum or plasma (EDTA) using Morzon Viral Nucleic Acid Purification Kit and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis.
- Morzon HCV qPCR Kit is intended to assist in the management of patients with chronic HIV-1 infection and to form a strategy for anti-viral therapy in conjunction with all relevant clinical and laboratory findings.
- Morzon HIV-1 qPCR Kit is not intended to screen blood and blood products for the presence of HIV-1 RNA or to confirm the diagnosis of infection with HIV-1.
- Negative results do not preclude HIV-1 infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history, and epidemiological information.
- Morzon HIV-1 qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon HBV qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real-Time PCR Detection Systems. But the Morzon HBV qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

- Validated for use with fresh or frozen human serum or plasma collected in EDTA anticoagulant.
- Dual Targets minimize the risk of false negative test results due to the potential mutations in the target regions of the HIV-1 genome covered by the oligos.
- Quantification Standards ranging from 1×10^4 IU/mL to 1×10^7 IU/mL
- Exogenous internal control
- The Limit of Detection (LoD) value is 50 IU/mL
- Linear range is between 55 IU/mL and 1×10^9 IU/mL
- Diagnostic specificity is $\geq 99\%$

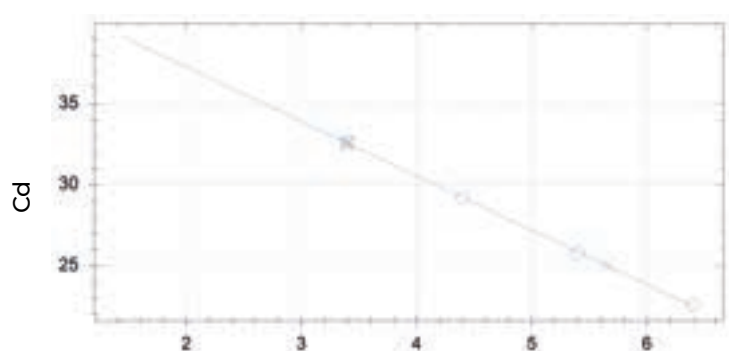


HIV-1 qPCR Kit



- Can detect and quantify all subtypes of HIV-1 M group and Circulating Recombinant Forms
- Whole system failure rate is $\leq 1\%$
- Only for use to research

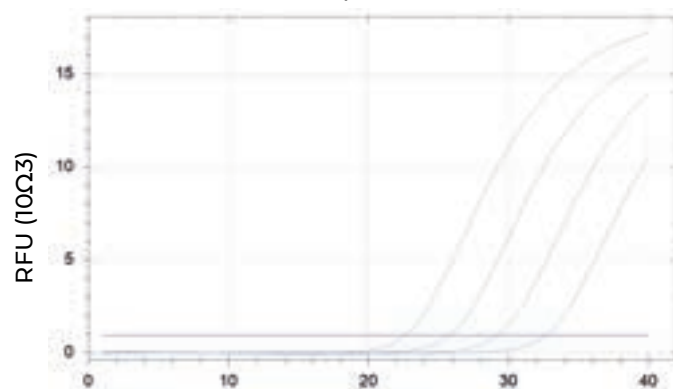
Standart Curve



Log Starting Quantity

O Standart
 X Unknown
 – FAM E=98,4% R²=1,000 Slope=3,360
 y-int=44,004

Amplification

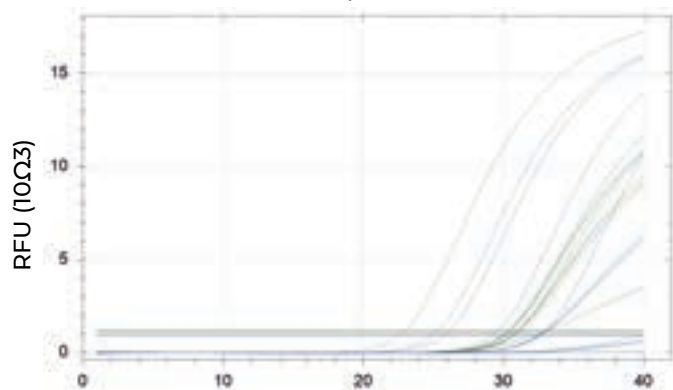


Cycles

Ordering Information

Product Name	Package	Cat. No.
Morzon HIV-1 qPCR Kit	25 Tests	MP201903-25
Morzon HIV-1 qPCR Kit	50 Tests	MP201903-50
Morzon HIV-1 qPCR Kit	100 Tests	MP201903-100
Morzon HIV-1 qPCR Kit	250 Tests	MP201903-250

Amplification



Cycles

Morzon HBV qPCR Kit

Quantitative detection of Hepatitis B virus DNA

Intended Use

- Morzon HBV qPCR Kit is a RT-PCR test intended for quantification of Hepatitis B virus (HBV) DNA in human serum or plasma (EDTA) using Morzon Viral Nucleic Acid Purification Kit and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis. Morzon HBV qPCR Kit is intended to assist in the management of patients with chronic HBV infection and to form a strategy for anti viral therapy in conjunction with all relevant clinical and laboratory findings. Morzon HBV qPCR Kit is not intended to screen blood and blood products for the presence of HBV DNA or to confirm the diagnosis of infection with HBV.
- Negative results do not preclude HBV infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history, and epidemiological information.
- Morzon HBV qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon HBV qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real Time PCR Detection Systems. But the Morzon HBV qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

- Validated for use with fresh or frozen human serum or plasma collected in EDTA anticoagulant.
- Quantification Standards ranging from 1×10^4 IU/mL to 1×10^7 IU/mL
- Exogenous internal control
- The Limit of Detection (LoD) value is 10 IU/mL
- Linear range is between 43 IU/mL and 1×10^9 IU/mL
- Diagnostic specificity is $\geq 99\%$

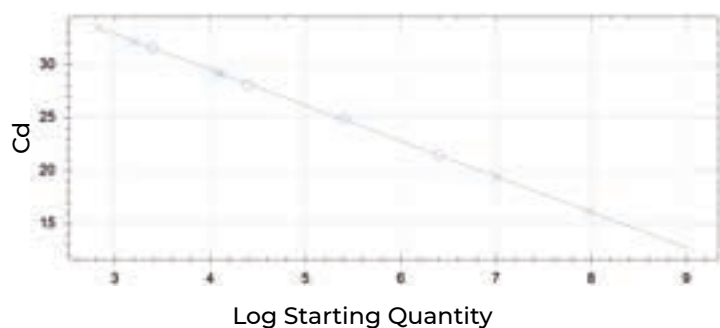


HBV qPCR Kit

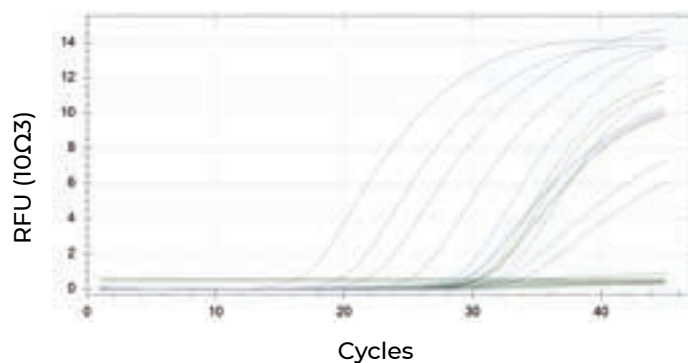


- Can detect and quantify all HBV genotypes
- Whole system failure rate is $\leq 1\%$
- For research use only

Standart Curve



Amplification

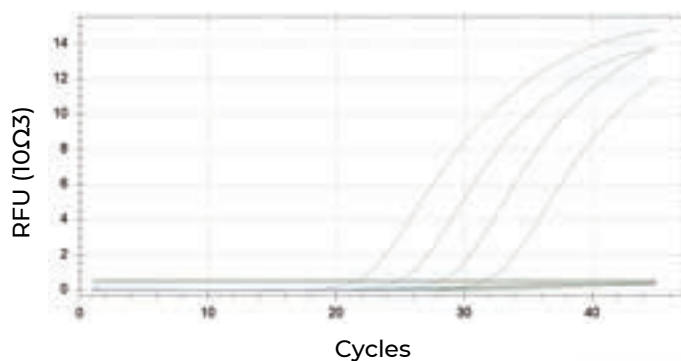


○ Standart
X Unkown
– FAM E=100,1% R²=1,000
Slope=3,319 y-int=45,278

Ordering Information

Product Name	Package	Cat. No.
Morzon HBV qPCR Kit	25 Tests	MP201901-25
Morzon HBV qPCR Kit	50 Tests	MP201901-50
Morzon HBV qPCR Kit	100 Tests	MP201901-100
Morzon HBV qPCR Kit	250 Tests	MP201901-250

Amplification



Morzon HCV qPCR Kit

Quantitative detection of Hepatitis C virus RNA

Intended Use

- Morzon HCV qPCR Kit is a RT-PCR test intended for quantification of Hepatitis C virus (HCV) RNA in human serum or plasma (EDTA) using Morzon Viral Nucleic Acid Purification Kit and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis. Morzon HCV qPCR Kit is intended to assist in the management of patients with chronic HCV infection and to form a strategy for anti-viral therapy in conjunction with all relevant clinical and laboratory findings. Morzon HCV qPCR Kit is not intended to screen blood and blood products for the presence of HCV RNA or to confirm the diagnosis of infection with HCV.
- Negative results do not preclude HCV infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history, and epidemiological information.
- Morzon HCV qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon HCV qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real-Time PCR Detection Systems. But the Morzon HCV qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

- Validated for use with fresh or frozen human serum or plasma collected in EDTA anticoagulant.
- Quantification Standards ranging from 1×10^4 IU/ml to 1×10^7 IU/ml
- Exogenous internal control
- The Limit of Detection (LoD) value is 14 IU/ml
- Linear range is between 35 IU/mL and 1×10^9 IU/ml

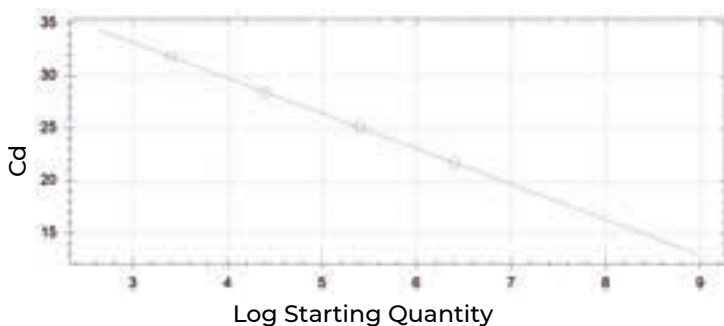


HCV qPCR Kit

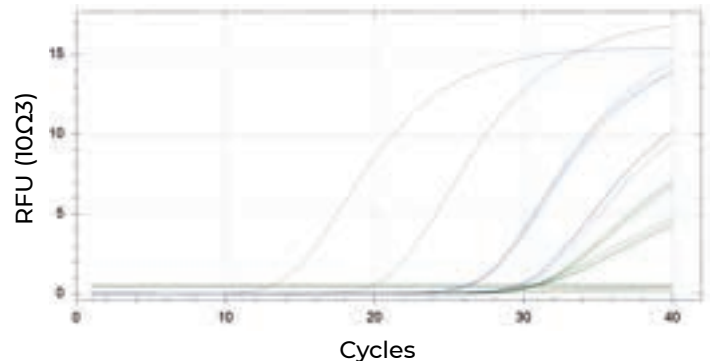


- Diagnostic specificity is $\geq 99\%$
- Can detect and quantify all HCV genotypes
- Whole system failure rate is $\leq 1\%$
- For research use only
- Compatible with most real-time PCR detection systems with the channels FAM, HEX

Standard Curve



Amplification

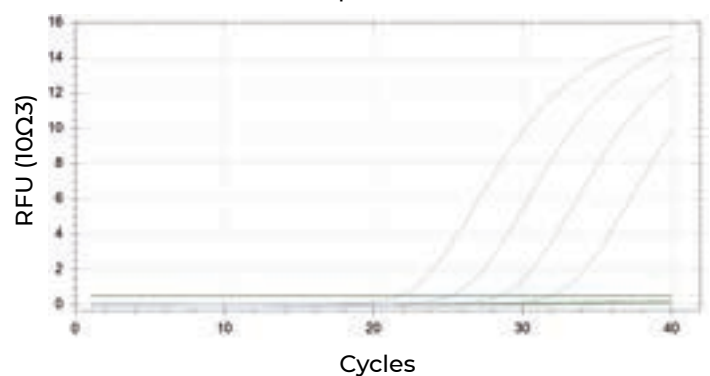


O Standard
 X Unknown
 – FAM E=97,8% R²=1,000 Slope=3,376
 y-int=43,305

Ordering Information

Product Name	Package	Cat. No.
Morzon HCV qPCR Kit	25 Tests	MP201902-25
Morzon HCV qPCR Kit	50 Tests	MP201902-50
Morzon HCV qPCR Kit	100 Tests	MP201902-100
Morzon HCV qPCR Kit	250 Tests	MP201902-250

Amplification



Morzon HCV Genotyping qPCR Kit

Detection and differentiation of Hepatitis C virus genotypes

Intended Use

- Morzon HCV Genotyping qPCR Kit is a RT-PCR test intended for detection and differentiation of the genotypes of Hepatitis C virus (HCV) RNA in human serum or plasma (EDTA) using Morzon Viral Nucleic Acid Purification Kit and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis. Morzon HCV Genotyping qPCR Kit can identify HCV genotypes 1a, 1b, 2, 3, 4, 5 and 6 (6a/6b). Morzon HCV Genotyping qPCR Kit is intended to assist in the management of patients with chronic HCV infection and to form a strategy for anti viral therapy in conjunction with all relevant clinical and laboratory findings. Morzon HCV Genotyping qPCR Kit is not intended to screen blood and blood products for the presence of HCV RNA or to confirm the diagnosis of infection with HCV.
- Negative results do not preclude HCV infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon HCV genotyping qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon HCV genotyping qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real Time PCR Detection Systems. But the Morzon HCV qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX and ROX.

Features

- Can identify HCV genotypes 1a, 1b, 2, 3, 4, 5 and 6 (6a/6b).
- Validated for use with fresh or frozen human serum or plasma collected in EDTA anticoagulant
- Exogenous internal control
- The Limit of Detection (LoD) value is between 33–89 IU/mL depending on genotypes

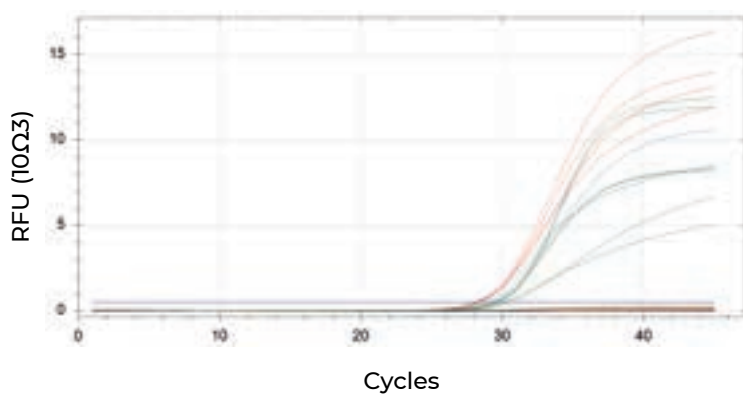


HCV Genotyping qPCR Kit



- Diagnostic specificity is $\geq 99\%$
- Whole system failure rate is $\leq 1\%$
- For research use only

Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon HCV Genotyping qPCR Kit	25 Tests	MP201905-25
Morzon HCV Genotyping qPCR Kit	50 Tests	MP201905-50

Morzon CMV qPCR Kit

Quantitative detection of Human Cytomegalovirus DNA

Intended Use

- Morzon CMV qPCR Kit is a RT-PCR test intended for quantification of Human Cytomegalovirus (CMV) DNA in human serum or plasma (EDTA) using Morzon Viral Nucleic Acid Purification Kit and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis.
- Morzon CMV qPCR Kit is intended to assist in the management of patients with CMV infection and to form a strategy for anti viral therapy in conjunction with all relevant clinical and laboratory findings. Morzon CMV qPCR Kit is not intended to screen blood and blood products for the presence of CMV DNA or to confirm the diagnosis of infection with CMV.
- Negative results do not preclude CMV infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon CMV qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon CMV qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real Time PCR Detection Systems. But the Morzon CMV qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX

Features

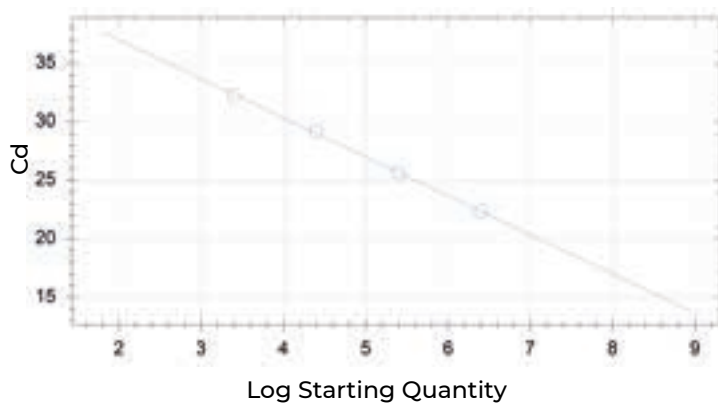
- Validated for use with fresh or frozen human serum or plasma collected in EDTA anticoagulant.
- Quantification Standards ranging from 1×10^4 IU/mL to 1×10^7 IU/mL
- Exogenous internal control
- The Limit of Detection (LoD) value is 56 IU/mL
- Linear range is between 71 IU/mL and 1×10^9 IU/mL
- Diagnostic specificity is $\geq 99\%$
- Whole system failure rate is $\leq 1\%$
- For research use only



CMV qPCR Kit

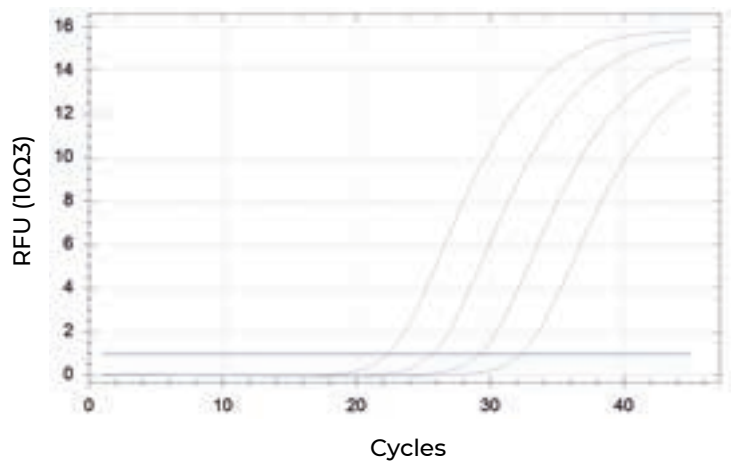


Standart Curve



O Standart
 X Unkown
 – FAM E=99,4% R² =0,999 Slope=3,336
 y-int=43,694

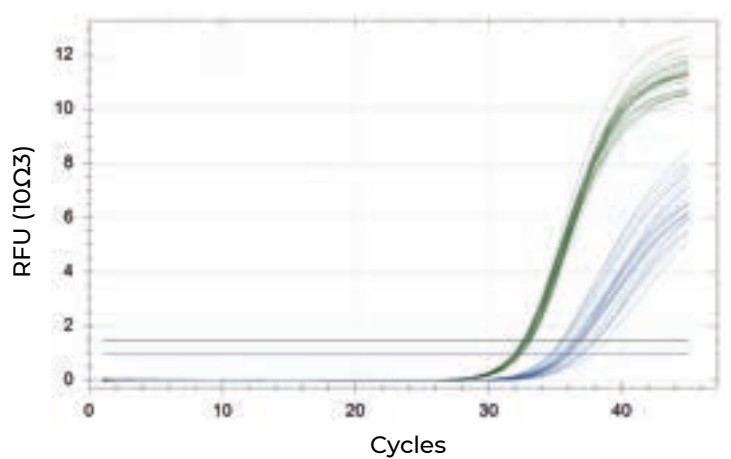
Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon CMV qPCR Kit	25 Tests	MP201904-25
Morzon CMV qPCR Kit	50 Tests	MP201904-50
Morzon CMV qPCR Kit	100 Tests	MP201904-100
Morzon CMV qPCR Kit	250 Tests	MP201904-250

Amplification



Morzon Sepsis Pathogen Detection Kit

Qualitative Detection of Sepsis Pathogen DNA and Drug Resistance Genes

- Sepsis is a syndrome that is followed by organ failure due to an uncontrolled inflammatory response of the host against infection. Early diagnosis of bloodstream infections, including those caused by bacteria and fungi, is central to reducing drastic infection related consequences, such as significant risks of morbidity and mortality.
- The survival rate of septic patients mainly depends on a rapid and reliable diagnosis, since in the case of severe sepsis there is an average 7.6% decrease in survival rate per hour from the onset of hypotension without effective antimicrobial treatment. Conventional method, blood culture, has some disadvantages with regard to the desired rapidity and sensitivity.
- Furthermore, it is influenced by various factors and can reduce the chance of a positive result. During severe infection, empirical antibiotic therapy is inappropriate in roughly one third of cases, and this substantially increases mortality and hospital length of stay.
- Furthermore, delays in optimal antimicrobial therapy may drive poor health care quality as well as increase antimicrobial resistance. As Morzon Science, we provide a solution to all the difficulties experienced in sepsis with the Morzon Sepsis Pathogen Detection Kit.

Intended Use

- Morzon Sepsis Pathogen Detection Kit is a real-time PCR test intended for the qualitative detection and identification of nucleic acids from the specific pathogens of bloodstream infection. Morzon Sepsis Pathogen Detection Kit is performed directly on whole blood samples or on blood culture samples detected as positive. The following pathogens and drug resistance genes are detected by Morzon Sepsis Pathogen Detection Kit:

Gram Negative Bacteria	Gram Positive Bacteria
Pseudomonas aeruginosa	Staphylococcus aureus
Klebsiella pneumonia	Staphylococcus spp
Enterobacter cloacae	Enterococcus faecalis
Escherichia coli	Enterococcus faecium
Acinetobacter baumannii	Streptococcus pneumoniae
Fungi	Drug Resistance Genes
	Carbapenem resistance (blaNDM, blaKPC, blaIMP, blaOXA48, blaVIM)
Candida spp	Methicillin resistance
	Vancomycin resistance

Instruments

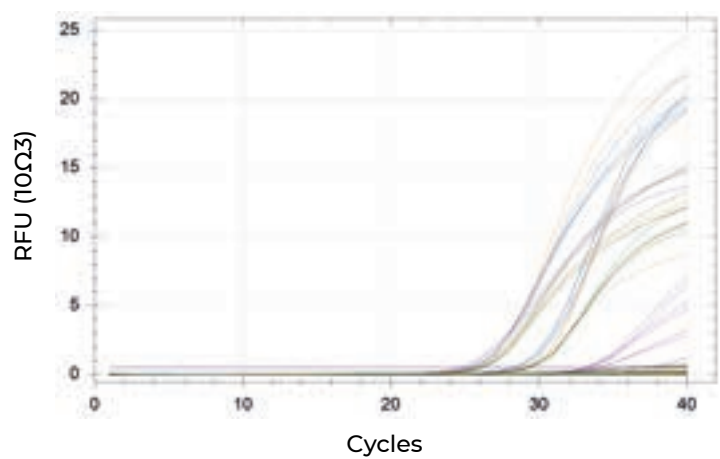
- The Morzon Sepsis Pathogen Detection Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon Sepsis Pathogen Detection Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX, ROX and Cy5.

Features

- Multiple targets (14 targets in 6 tubes)
- Ready-to-use kit
- Human RNase P as an internal control
- CE-IVD marked
- Assay duration: 55 mins
- The Limit of Detection (LoD) value is 200 CFU/mL
- Diagnostic specificity is $\geq 99\%$.
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon Sepsis Pathogen Detection Kit	24 Tests	MP202201-24
Morzon Sepsis Pathogen Detection Kit	48 Tests	MP202201-48

Morzon MTBC qPCR Kit

Qualitative detection of Mycobacterium tuberculosis complex DNA

Intended Use

- Morzon MTBC qPCR Kit is a RT-PCR test intended for qualitative detection of *M. tuberculosis* complex (*M. tuberculosis*, *M. africanum*, *M. bovis*, *M. bovis* BCG, *M. canettii*, *M. microti*, *M. pinnipedii*) DNA in clinical specimens of sputum, bronchoalveolar lavages or bronchial secretion using Morzon DNA Purification Kit from Respiratory Samples and BIO-RAD CFX96 Real-Time PCR Detection System for amplification, detection and analysis. Morzon MTBC qPCR Kit is intended to assist in the management of patients with MTBC infection and to form a strategy for antibacterial therapy in conjunction with all relevant clinical and laboratory findings.
- Negative results do not preclude MTBC infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon MTBC qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon MTBC qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real-Time PCR Detection Systems. But the Morzon MTBC qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

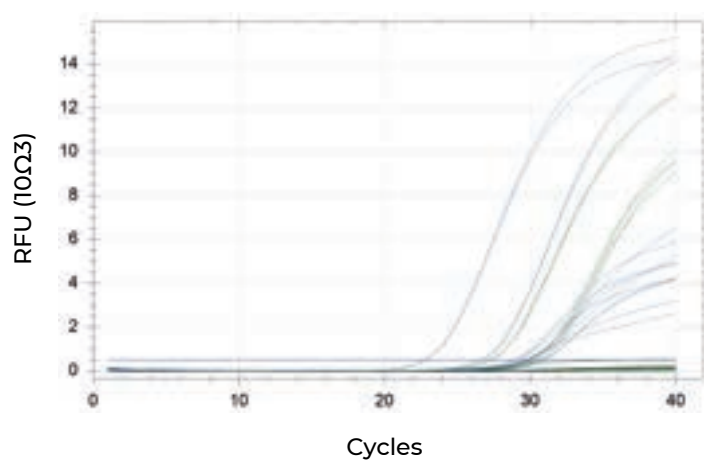
- Validated for use with clinical specimens of sputum, bronchoalveolar lavages or bronchial secretion
- Exogenous internal control
- The Limit of Detection (LoD) value is 0.22 copies/ μ L
- Diagnostic specificity is $\geq 99\%$
- Whole system failure rate is $\leq 1\%$
- For in vitro diagnostic use.



MTBC qPCR Kit



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon MTBC qPCR Kit	25 Tests	MP201921-25
Morzon MTBC qPCR Kit	100 Tests	MP201921-100

Morzon Influenza A&B qPCR Kit

Qualitative detection and differentiation of Influenza A and Influenza B RNA

Intended Use

- Morzon Influenza A&B qPCR Kit is a RT-PCR test intended for the qualitative detection and differentiation of nucleic acid from the Influenza A and Influenza B in human oropharyngeal swab and nasopharyngeal swab specimens from individuals with signs and symptoms of infection who are suspected of Flu.
- The Influenza A and Influenza B RNA is generally detectable in human oropharyngeal swab and nasopharyngeal swab specimens during the acute phase of infection. Positive results are indicative of active infection.
- Negative results do not preclude infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon Influenza A&B qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon Influenza A&B qPCR Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon Influenza A&B qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX and Cy5.

Features

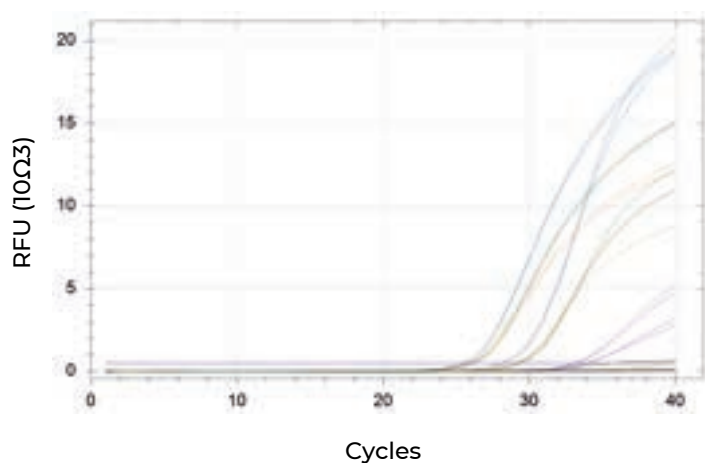
- Single tube, multiple targets
- Ready-to-use kit
- Human RNase P as an internal control
- CE-IVD marked
- The Limit of Detection (LoD) value: for Influenza A: 59 copies/mL, for Influenza B: 74 copies/ml
- Diagnostic specificity is $\geq 99\%$
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.



Influenza A&B qPCR Kit



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon Influenza A&B qPCR Kit	100 Tests	MP202220-100
Morzon Influenza A&B qPCR Kit	500 Tests	MP202220-500

Morzon Flu A&B / RSV / SARS-CoV-2 qPCR Kit

Qualitative detection and differentiation of Influenza A, Influenza B, Respiratory Syncytial Virus and SARS-CoV-2 RNA

Intended Use

- Morzon Flu A&B / RSV / SARS-CoV-2 qPCR Kit is a real time RT-PCR test intended for the qualitative detection and differentiation of nucleic acid from the Influenza A, Influenza B, Respiratory Syncytial Virus (RSV) and SARS-CoV-2 in human oropharyngeal swab and nasopharyngeal swab specimens from individuals with signs and symptoms of infection who are suspected of Flu or COVID-19.
- The Influenza A, Influenza B, RSV and SARS-CoV-2 RNA is generally detectable in human oropharyngeal swab and nasopharyngeal swab specimens during the acute phase of infection. Positive results are indicative of active infection. Laboratories are required to report all positive results for SARS-CoV-2 to the appropriate public health authorities.
- Negative results do not preclude infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon Flu A&B / RSV / SARS-CoV-2 qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon Flu A&B / RSV / SARS-CoV-2 qPCR Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon Flu A&B / RSV / SARS-CoV-2 qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX, ROX and Cy5.

Features

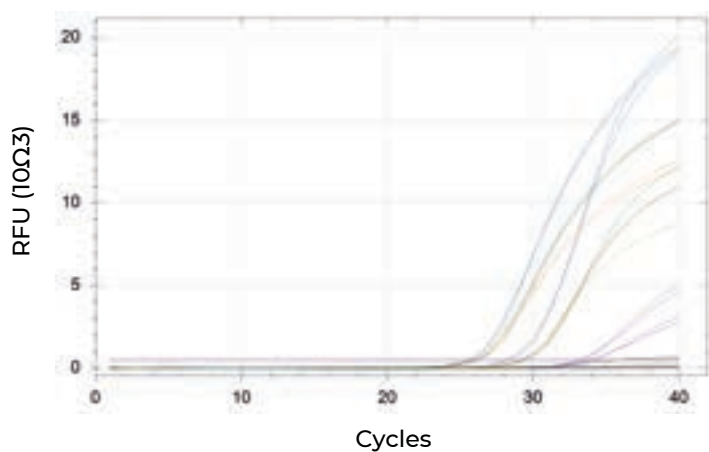
- Single tube, multiple targets
- Ready-to-use kit
- Human RNase P as an internal control
- CE-IVD marked
- The Limit of Detection (LoD) value is less than 100 copies/ml
- Diagnostic specificity is $\geq 99\%$
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.
- For in vitro diagnostic use.



Flu A&B / RSV / SARS-CoV-2 qPCR Kit



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon Flu A&B /RSV/ SARS-CoV-2 qPCR Kit	100 Tests	MP202011-100
Morzon Flu A&B /RSV/ SARS-CoV-2 qPCR Kit	500 Tests	MP202011-500

Morzon SARS-CoV-2 qPCR Kit

Qualitative detection of SARS-CoV-2 RNA

Intended Use

- Morzon SARS-CoV-2 qPCR Kit is a RT-PCR test intended for the qualitative detection of nucleic acid from the SARS-CoV-2 in respiratory samples such as human oropharyngeal (OP) swab, nasopharyngeal (NP) swab or combined nasopharyngeal (NP) and oropharyngeal (OP) swab from individuals who are suspected of COVID-19 by their healthcare provider.
- Results are for the identification of SARS-CoV-2 RNA. The SARS-CoV-2 RNA is generally detectable in respiratory specimens during the acute phase of infection. Positive results are indicative of the presence of SARS-CoV-2 RNA; clinical correlation with patient history and other diagnostic information is necessary to determine patient infection status. Positive results do not rule out bacterial infection or co-infection with other viruses.
- Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon SARS-CoV-2 qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

The Morzon SARS-CoV-2 qPCR Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon SARS-CoV-2 qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

- Single tube, multiple targets
- Ready-to-use kit
- Dual Targets suggested by US CDC and WHO (RdRp and N-genes)
- Human RNase P as an internal control
- CE-IVD marked
- Assay duration: 45 mins
- The Limit of Detection (LoD) value is 58 copies/mL
- Diagnostic specificity is $\geq 99\%$

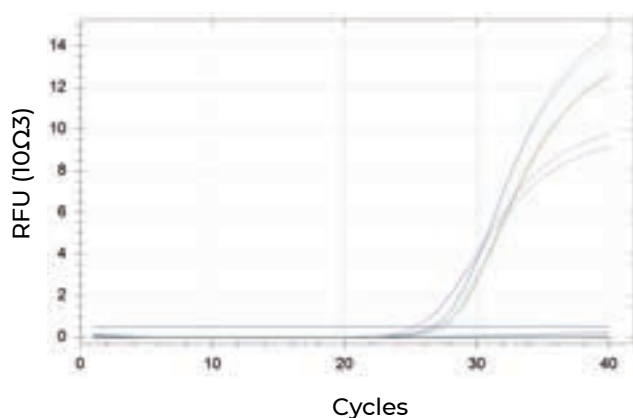


SARS-CoV-2 qPCR Kit

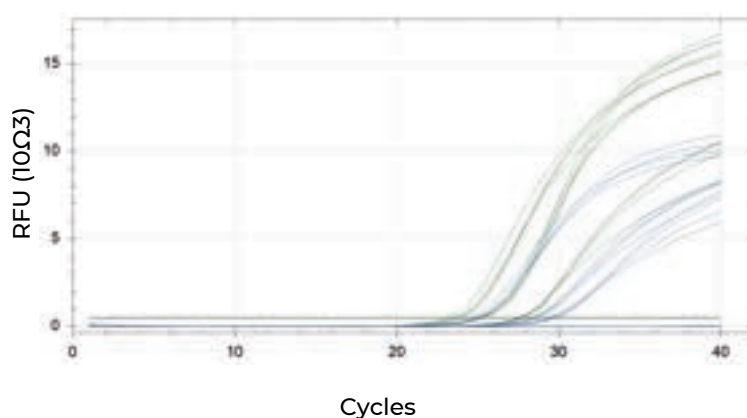


- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.

Amplification



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon SARS-CoV-2 qPCR Kit v2.2 (3-channels; FAM:N gene, HEX:RdRp gene, Cy5: RNase P)	100 Tests	MP202008-100
Morzon SARS-CoV-2 qPCR Kit v2.2 (3-channels; FAM:N gene, HEX:RdRp gene, Cy5: RNase P)	500 Tests	MP202008-500
Morzon SARS-CoV-2 qPCR Kit v2.3 (2-channels; FAM:N gene&RdRp gene, HEX: RNase P)	500 Tests	MP202103-500
Morzon SARS-CoV-2 qPCR Kit v2.3 (2-channels; FAM:N gene&RdRp gene, HEX: RNase P)	500 Tests	MP202103-500

Morzon Direct SARS-CoV-2 qPCR Kit on 96/384-well plate (Extraction-free)

Qualitative detection of SARS-CoV-2 RNA

Intended Use

- Morzon Direct SARS-CoV-2 qPCR Kit is a RT-PCR test intended for the qualitative detection of nucleic acid from the SARS-CoV-2 in respiratory samples such as human oropharyngeal (OP) swab, nasopharyngeal (NP) swab or combined nasopharyngeal (NP) and oropharyngeal (OP) swab from individuals who are suspected of COVID-19 by their healthcare provider.
- Results are for the identification of SARS-CoV-2 RNA. The SARS-CoV-2 RNA is generally detectable in respiratory specimens during the acute phase of infection. Positive results are indicative of the presence of SARS-CoV-2 RNA; clinical correlation with patient history and other diagnostic information is necessary to determine patient infection status. Positive results do not rule out bacterial infection or co-infection with other viruses.
- Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history and epidemiological information.
- Morzon Direct SARS-CoV-2 qPCR Kit is intended for use by qualified and trained clinical laboratory personnel specifically instructed and trained in the techniques of real-time PCR and in vitro diagnostic procedures.

Instruments

- The Morzon Direct SARS-CoV-2 qPCR Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon Direct SARS-CoV-2 qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX.

Features

- Just add VTM sample and run PCR
- Ready-to-use 96/384-well plate
- Dual Targets suggested by US CDC and WHO (orf1ab and N-genes)
- Human RNase P as an internal control
- CE-IVD marked
- Diagnostic specificity is $\geq 99\%$

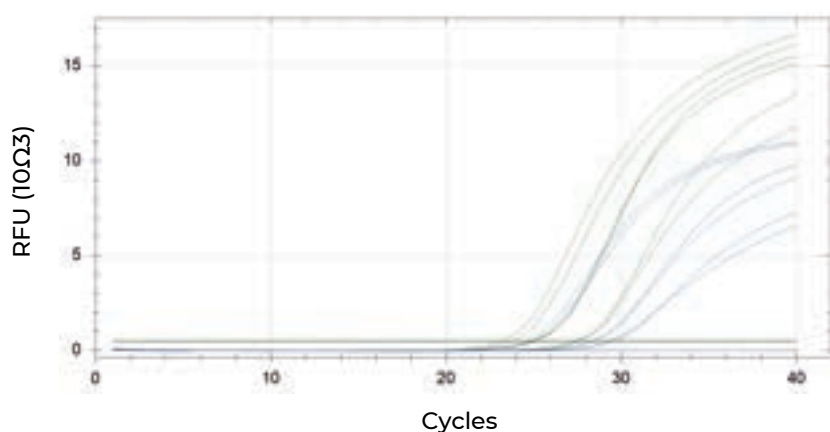


Direct SARS-CoV-2 qPCR Kit on 96/384-well plate



- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.
- Assay duration: 55 mins
- The Limit of Detection (LoD) value is 62 copies/ml

Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon Direct SARS-CoV-2 qPCR Kit on 96/384-well plate (Extraction-free)	96 Tests	MP202221-96
Morzon Direct SARS-CoV-2 qPCR Kit on 96/384-well plate (Extraction-free)	480 Tests	MP202221-480
Morzon Direct SARS-CoV-2 qPCR Kit on 96/384-well plate (Extraction-free)	384 Tests	MP202221-384

Morzon HPV 26 Screening Kit

Qualitative Detection of 24 high-risk and 2 low-risk Human Papillomavirus (HPV) DNA

Intended Use

- Human papillomavirus (HPV) infections are very common and viral DNA can be detected from skin, oral and anogenital samples from all human populations. Currently, over 200 types of HPV have been fully characterized and predominantly assigned into three genera: Alphapapillomavirus, Betapapillomavirus and Gammapapillomavirus. Among the 65 HPV types belonging to Alphapapillomavirus (Alpha-HPV types), a limited set of viruses are considered oncogenic and associated with the development of cervical cancer and its precursor lesions. The oncogenic HPVs causing essentially all cervical cancers are phylogenetically clustered in one clade composed of species Alpha-5, Alpha-6, Alpha-7, Alpha-9 and Alpha-11.

Intended Use

- Morzon HPV 26 Screening Kit is a real-time PCR test intended for the qualitative detection of nucleic acids from 24 high-risk and 2 low-risk Human Papillomavirus (HPV) DNA in one tube.
- The following HPV genotypes are detected by Morzon HPV 26 Screening Kit:

Ordering Information

24 High-risk HPV DNA

HPV 16, 18, 26, 30, 31, 33, 34, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 67, 68, 69, 70, 73, 82 and 97

2 low-risk HPV DNA

HPV 6 and 11

Instruments

- The Morzon HPV 26 Screening Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon HPV 26 Screening Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX and Cy5.

Features

- Multiple targets in single tube
- Ready-to-use kit
- Human RNase P as an internal control
- CE-IVD marked
- Assay duration: 60 mins

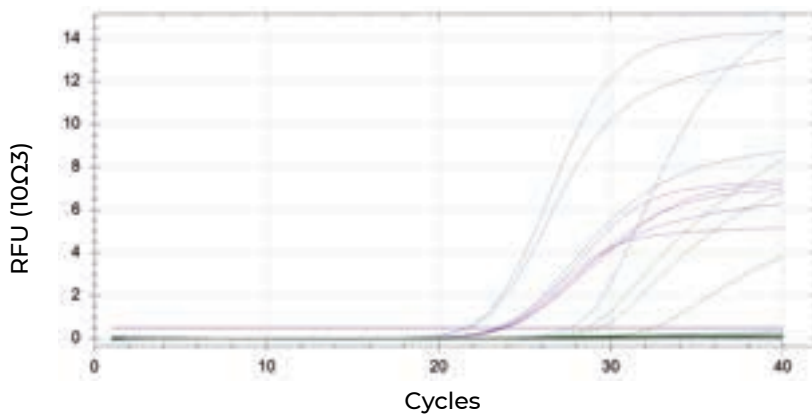


HPV 26 Screening Kit



- The Limit of Detection (LoD) value is 48 IU/mL
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.

Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon HPV 26 Screening Kit	25 Tests	MP202222-25
Morzon HPV 26 Screening Kit	100 Tests	MP202222-100

Morzon HPV 14 Genotyping Kit

Qualitative Detection and Identification of 14 high-risk Human Papillomavirus (HPV) DNA

- Infection by certain types of human papillomavirus (HPV) causes squamous intraepithelial lesions and invasive cancer of the uterine cervix and anus. HPV genotyping is important for most of the major medical indications of HPV testing. For example, genotyping of HPV has been shown to be an accurate indicator of treatment failure in follow-up after treatment for cervical dysplasia. In cervical screening, HPV genotyping better identifies women at high risk of dysplasia than does a nongenotyping HPV test, and monitoring of the types that are associated with the highest risk for cancer is particularly important. The monitoring of the effect of HPV vaccination requires adequate HPV genotyping to evaluate whether vaccine HPV types disappear from the population and how the prevalence of nonvaccine types is affected.

Intended Use

- Morzon HPV 14 Genotyping Kit is a real-time PCR test intended for the qualitative detection and identification of nucleic acids from 14 high-risk Human Papillomavirus (HPV) DNA.
- The following HPV genotypes are detected by Morzon HPV 14 Genotyping Kit.

14 High-risk HPV DNA

HPV 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66 and 68

Instruments

- The Morzon HPV 14 Genotyping Kit is to be used with BIO-RAD CFX96 Real-Time PCR Detection Systems. But the Morzon HPV 14 Genotyping Kit may also be compatible with most real-time PCR detection systems with the channels FAM, HEX, ROX and Cy5.

Features

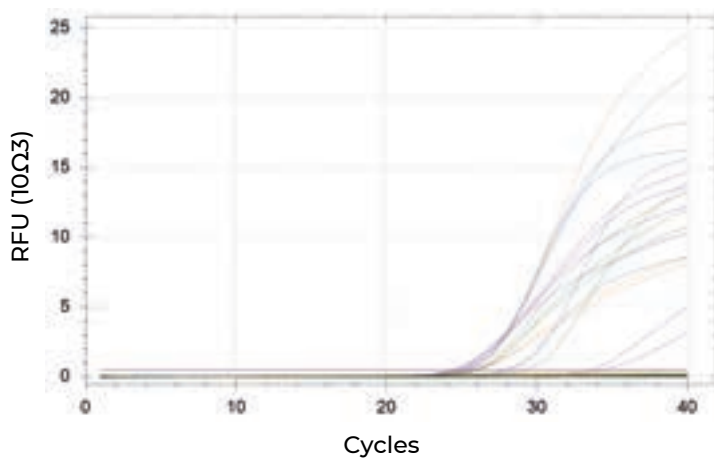
- Multiple targets (14 targets in 5 tubes)
- Ready-to-use kit
- Human RNase P as an internal control
- CE-IVD marked
- Assay duration: 60 mins
- The Limit of Detection (LoD) value is 42 IU/mL
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.



HPV 14 Genotyping Kit



Amplification



Ordering Information

Product Name	Package	Cat. No.
Morzon HPV 14 Genotyping Kit	25 Tests	MP202223-25
Morzon HPV 14 Genotyping Kit	100 Tests	MP202223-100

Morzon Monkeypox Virus qPCR Kit

Qualitative detection of Monkeypox Virus DNA

- Monkeypox starts with fever, then general body aches, malaise, and muscle aches. with the first symptoms are similar to influenza. Those usually precede the development of a rash. It starts as macules, which are flat lesions. Then it forms a firm nodule. From there, it becomes a blister, then a pustule (a blister containing pus) and then it scabs over. Monkeypox is transmitted through close person to person contact with lesions, body fluids and respiratory droplets, and through contaminated materials.
- Monkeypox virus is an enveloped double-stranded DNA virus that belongs to the Orthopoxvirus genus of the Poxviridae family. Monkeypox is a linear DNA genome of ≥ 197 kb and contains ≥ 190 nonoverlapping ORFs > 180 nt long. Like all orthopoxviruses, the central coding region sequence (CRS) at Monkeypox virus nucleotide positions ≥ 56000 – 120000 is highly conserved and flanked by variable ends that contain inverted terminal repeats (ITRs).

Intended Use

- Morzon Monkeypox Virus qPCR Kit is a real-time PCR test intended for the qualitative detection of Monkeypox Virus DNA.

Instruments

- The Morzon Monkeypox Virus qPCR Kit is to be used with BIO-RAD CFX96 and Tianlong Gentier 96 Real-Time PCR Detection Systems. But the MORZON Monkeypox Virus qPCR Kit may also be compatible with most real-time PCR detection systems with the channels FAM and HEX

Features

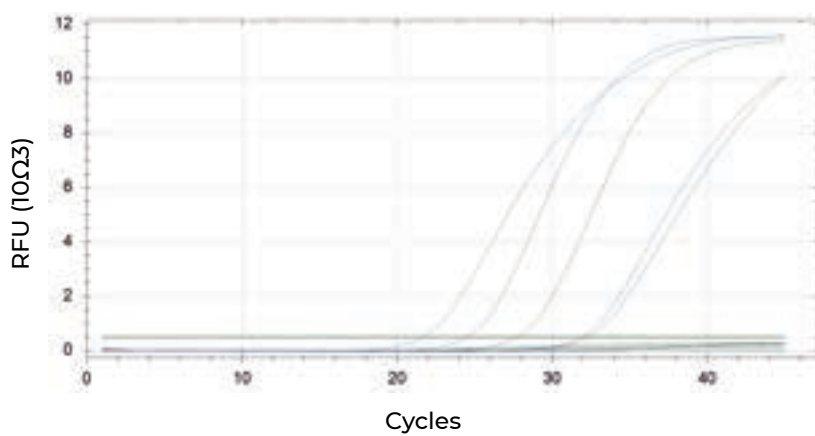
- Ready-to-use kit
- The recommended specimen type for laboratory confirmation of monkeypox is skin lesion material, including swabs of lesion surface and/or exudate, roofs from more than one lesion, or lesion crusts.
- Human RNase P as an internal control
- The Limit of Detection (LoD) value is 86 copies/mL
- No cross-reactivity with the potential cross-reactive markers shown using both in silico analysis and wet testing.
- CE-IVD marked



Monkeypox Virus qPCR Kit



Amplification

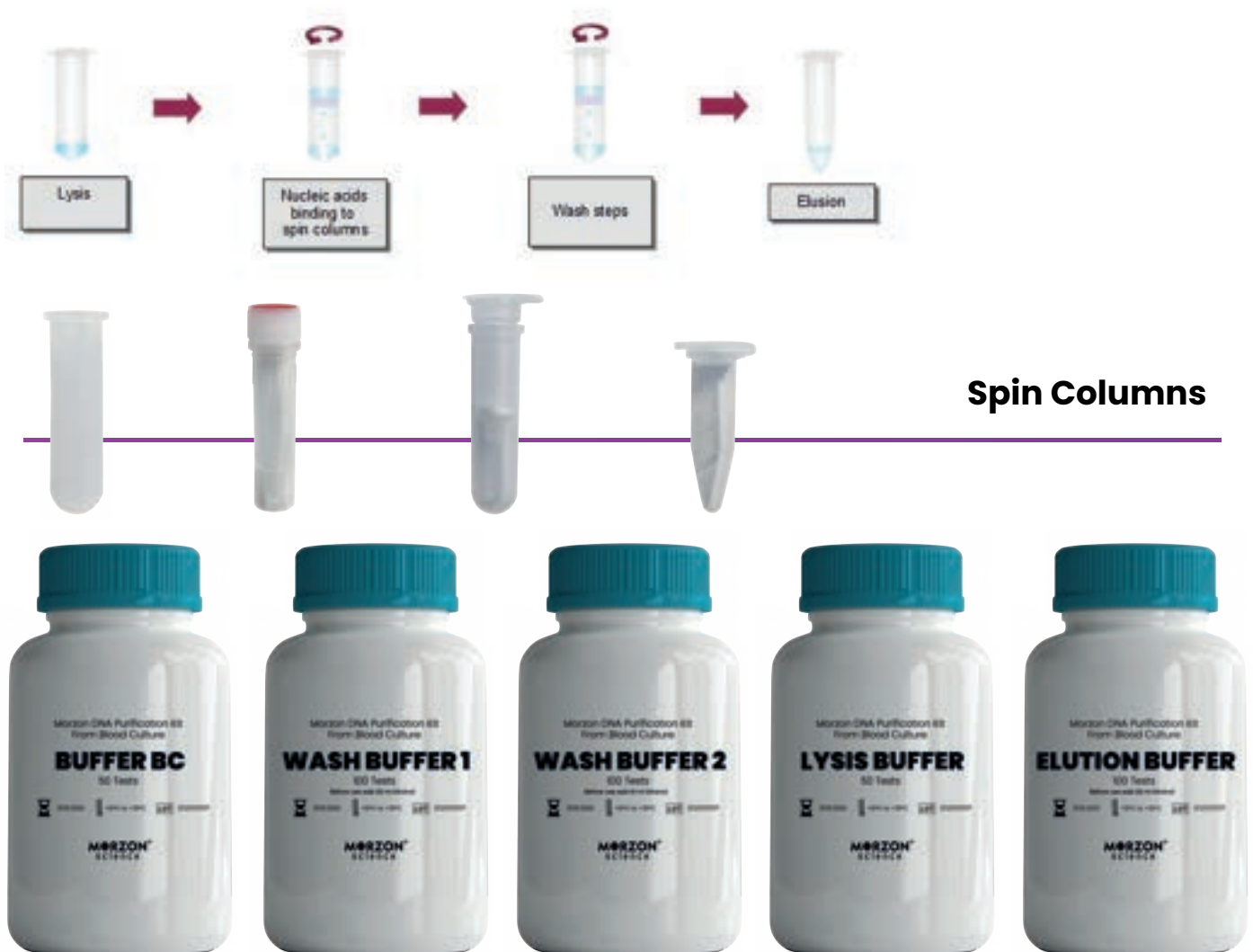


Ordering Information

Product Name	Package	Cat. No.
Morzon Monkeypox Virus qPCR Kit	100 Tests	MP202224-100
Morzon HPV 14 Genotyping Kit	500 Tests	MP202224-500

Morzon Purification Kits

- Nucleic acid extraction plays a vital role in molecular diagnosis as the primary step for many downstream applications. A high quality nucleic acid extract is expected to be free from amplification inhibitors and other substances that may affect enzyme substrates.
- Morzon Purification Kits utilize special lysis buffer systems in combination with silica based spin columns or magnetic beads to efficiently purify nucleic acids from the biological specimens. The samples are lysed in optimized lysis buffers with special formulations. The impurities such as proteins, salts and cellular debris are removed during subsequent washing and centrifugation steps. Finally, highly pure nucleic acids are released with low ionic strength buffer. The purified nucleic acids can be used directly in the most demanding downstream applications for in vitro diagnostic analysis.



Morzon Viral Nucleic Acid Purification Kit

Morzon Viral Nucleic Acid Purification Kit is intended for rapid purification of viral RNA and DNA from fresh or frozen human or animal serum, plasma collected in EDTA anticoagulant, cerebrospinal fluid, cell culture supernatants, other cell free body fluids and swabs for in vitro diagnostic pur-poses.

Ordering Information

Product Name	Package	Cat. No.
Morzon Viral Nucleic Acid Purification Kit	50 Tests	MP201906-50
Morzon Viral Nucleic Acid Purification Kit	100 Tests	MP201906-100

Morzon Viral RNA Purification Kit

Morzon Viral RNA Purification Kit is intended for rapid purification of viral RNA from fresh or frozen human or animal serum, plasma collected in EDTA anticoagulant, cerebrospinal fluid, cell culture supernatants, other cell free body fluids and swabs for in vitro diagnostic purposes.

Ordering Information

Product Name	Package	Cat. No.
Morzon Viral RNA Purification Kit	50 Tests	MP201915-50
Morzon Viral RNA Purification Kit	100 Tests	MP201915-100

Morzon Viral DNA Purification Kit

- Morzon Viral DNA Purification Kit is intended for rapid purification of DNA from fresh or frozen human or animal serum, plasma collected in EDTA anticoagulant, cerebrospinal fluid, cell culture supernatants and other cell free body fluids for in vitro diagnostic purposes.

Ordering Information

Product Name	Package	Cat. No.
Morzon Viral DNA Purification Kit	50 Tests	IP201914-50
Morzon Viral DNA Purification Kit	100 Tests	IP201914-100

Morzon DNA Purification Kit From Yeast

- Morzon DNA Purification Kit from Yeast is intended for rapid purification of genomic DNA from yeast in liquid media or solid media.

Ordering Information

Product Name	Package	Cat. No.
Morzon Genomic DNA Purification Kit from Yeast	50 Tests	MP201916-50
Morzon Genomic DNA Purification Kit from Yeast	100 Tests	MP201916-100

Morzon DNA Purification Kit from Respiratory Samples

- Morzon DNA Purification Kit from Respiratory Samples is intended for rapid purification of pathogen DNA from respiratory samples such as sputum, bronchoalveolar lavages or bronchial secretion.

Ordering Information

Product Name	Package	Cat. No.
Morzon DNA Purification Kit from Respiratory Samples	50 Tests	IP201907-50
Morzon DNA Purification Kit from Respiratory Samples	100 Tests	IP201907-100

Morzon DNA Purification Kit from Tissue and Paraffin Embedded Tissue

- Morzon DNA Purification Kit from Tissue and Paraffin-Embedded Tissue is intended for rapid purification of DNA from tissue or paraffin embedded tissue samples.

Ordering Information

Product Name	Package	Cat. No.
Morzon DNA Purification Kit from Tissue and Paraffin-Embedded Tissue	50 Tests	MP201908-50
Morzon DNA Purification Kit from Tissue and Paraffin-Embedded Tissue	100 Tests	MP201908-100

Morzon DNA Purification Kit from Bacteria

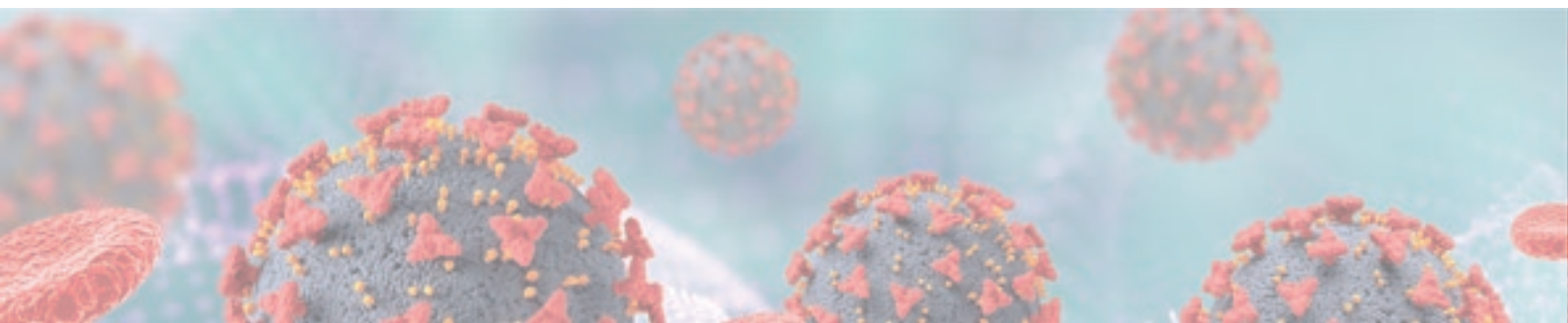
- Morzon DNA Purification Kit from Bacteria is intended for rapid purification of DNA from bacteria in liquid media or solid media.

Ordering Information

Product Name	Package	Cat. No.
Morzon DNA Purification Kit from Bacteria	50 Tests	MP201917-50
Morzon DNA Purification Kit from Bacteria	100 Tests	MP201917-100

Morzon Plasmid DNA Purification Kit

- Morzon Plasmid DNA Purification Kit is intended for rapid purification of plasmid DNA from bacteria in liquid media or solid media. The purified plasmid DNA is suitable for diagnostic downstream applications such as PCR, endonuclease digestion, subcloning, transformation, ligation and sequencing reactions.



Ordering Information

Product Name	Package	Cat. No.
Morzon Plasmid DNA Purification Kit	50 Tests	MP201918-50
Morzon Plasmid DNA Purification Kit	100 Tests	MP201918-100

Morzon GEL/PCR Product Purification Kit

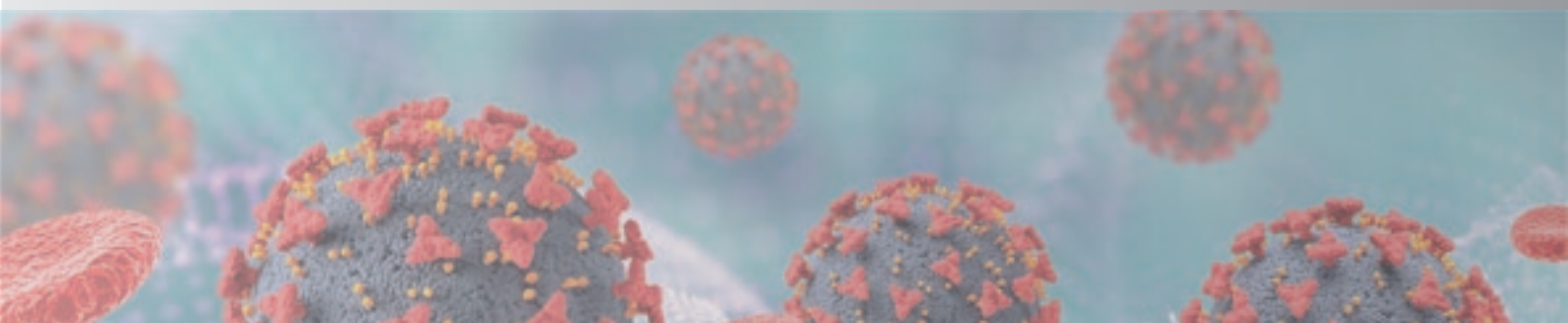
- Morzon GEL/PCR Product Purification Kit is intended for the rapid recovery of DNA fragments from agarose gels (TBE/TAE), and for the rapid purification of PCR products after PCR amplification.

Ordering Information

Product Name	Package	Cat. No.
Morzon GEL/PCR Product Purification Kit	50 Tests	MP201919-50
Morzon GEL/PCR Product Purification Kit	100 Tests	MP201919-100

Morzon Magnetic Viral Nucleic Acid Purification Kit

- Morzon Magnetic Viral Nucleic Acid Purification Kit is intended for rapid purification of viral RNA and DNA from fresh or frozen human or animal serum, plasma collected in EDTA anticoagulant, cerebrospinal fluid, cell culture supernatants and other cell free body fluids and swabs for in vitro diagnostic purposes.



Ordering Information

Product Name	Package	Cat. No.
Morzon Magnetic Viral Nucleic Acid Purification Kit	50 Tests	MP201920-50
Morzon Magnetic Viral Nucleic Acid Purification Kit	100 Tests	MP201920-100

Morzon DNA Purification Kit from Blood Culture

- MorzonDNA Purification Kit from Blood Culture is intended for rapid purification of DNA from organisms in blood culture. The purified DNA is suitable for downstream applications such as PCR, qPCR, cloning, RFLP analysis and sequencing.

Ordering Information

Product Name	Package	Cat. No.
Morzon DNA Purification Kit from Blood Culture	50 Tests	MP202225-50
Morzon DNA Purification Kit from Blood Culture	100 Tests	MP201920-100

Sample Transport Kits

MorEXT Nucleic Acid Extraction Reagent

- MorEXT Nucleic Acid Extraction Reagent is intended for transport and rapid extraction of nucleic acids from the viruses in human oropharyngeal swab and nasopharyngeal swab specimens for in vitro diagnostic purposes. The extracted viral nucleic acid is suitable for RT-PCR, qRT-PCR, qPCR, viral detection, viral load determination and viral genotyping. Any diagnostic results produced in connection with any downstream diagnostic assay using this reagent should be interpreted according to all relevant clinical and laboratory findings.

Ordering Information

Product Name	Package	Cat. No.
MorEXT Nucleic Acid Extraction Reagent	50 Tests	MP202004-50
MorEXT Nucleic Acid Extraction Reagent	100 Tests	MP202004-100

Morzon Cervical Specimens Transport Reagent

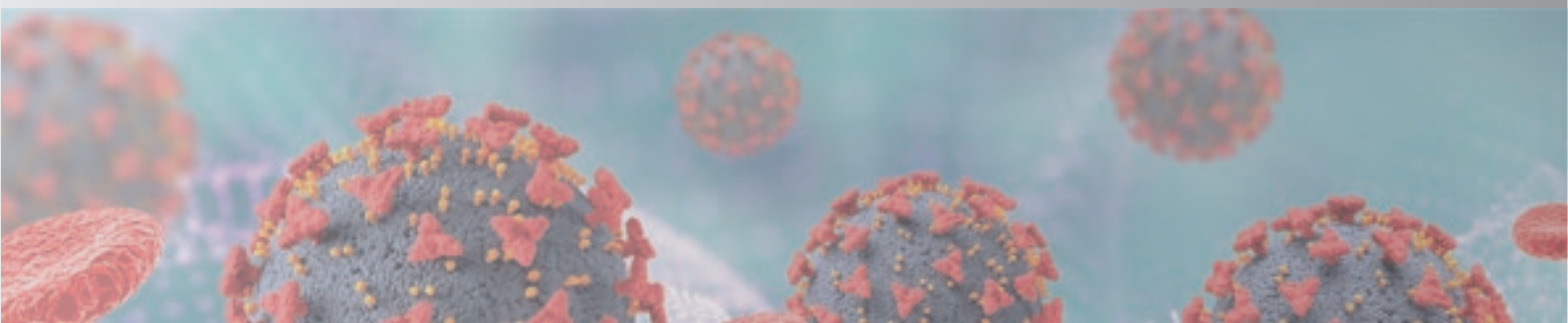
- Morzon Cervical Specimens Transport Reagent is intended for transport of cervical swab specimens for in vitro diagnostic purposes. Any diagnostic results produced in connection with any downstream diagnostic assay using this reagent should be interpreted according to all relevant clinical and laboratory findings.

Ordering Information

Product Name	Package	Cat. No.
Morzon Cervical Specimens Transport Reagent	50 Tests	MP202219-50
Morzon Cervical Specimens Transport Reagent	100 Tests	MP202219-100

Morzon Viral Transport Medium

- Morzon Viral Transport Medium is intended for transport of the viruses in human oropharyngeal swab and nasopharyngeal swab specimens for in vitro diagnostic purposes. Any diagnostic results produced in connection with any downstream diagnostic assay using this reagent should be interpreted according to all relevant clinical and laboratory findings.



Ordering Information

Product Name	Package	Cat. No.
Morzon Viral Transport Medium	50 Tests	MP202005-50
Morzon Viral Transport Medium	100 Tests	MP202005-100

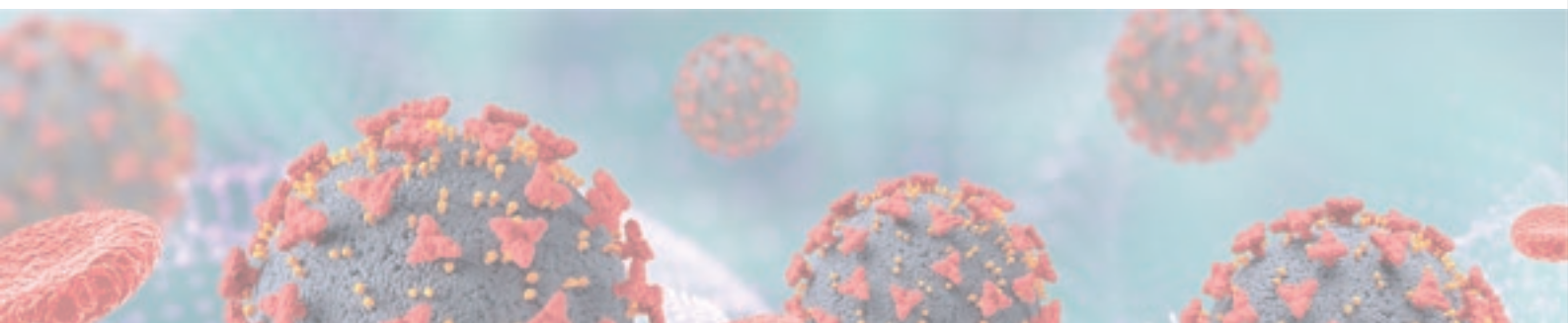
Morzon Research-Life Science Kits

Morzon One Step qPCR Probe Master Mix Kit

- Morzon OneStep qPCR Probe Master Mix Kit can be utilized to amplify any RNA template including mRNA, total RNA and viral sequences for several purposes including the analyzing of gene expression, microbial detection and the determination of viral load. OneStep qPCR Mix A contains buffer, MgCl₂, dNTPs and stabilisers/enhancers at concentrations designed for optimal performance. OneStep qPCR Mix B contains an enzyme cocktail designed to achieve excellent results. Morzon OneStep qPCR Probe Master Mix Kit is optimized to be used with most of real-time PCR instruments.

Features:

- Easy reaction set up
- No need for a separate reverse transcription step
- Decrease in handling errors
- Rapid results
- High sensitivity detection
- Compatible with most of the real-time PCR instruments



Ordering Information

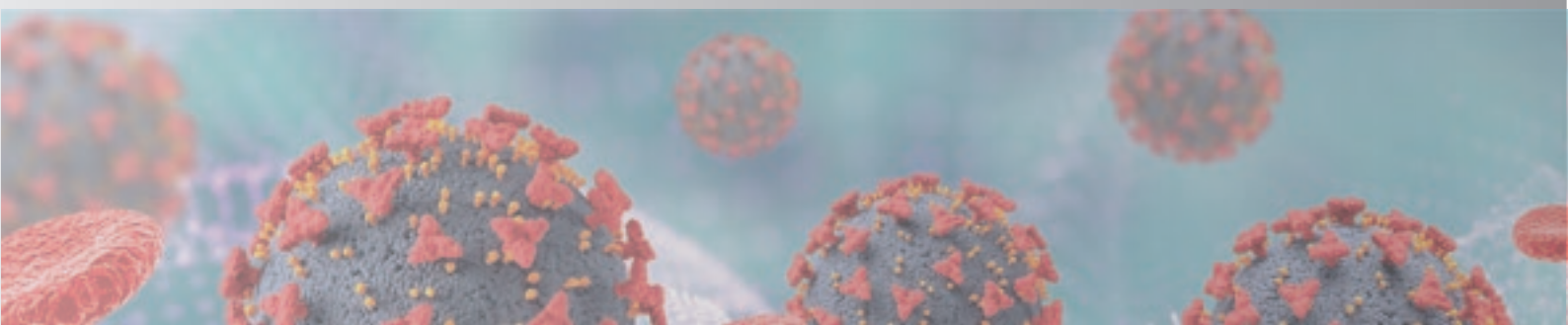
Product Name	Package	Cat. No.
Morzon OneStep qPCR Probe Master Mix Kit	100 Tests	MP201910-100
Morzon OneStep qPCR Probe Master Mix Kit	500 Tests	MP201910-500

Morzon One Step qPCR Dye Master Mix Kit

- Morzon OneStep qPCR Dye Master Mix Kit can be utilized to amplify any RNA template including mRNA, total RNA and viral sequences for several purposes including the analyzing of gene expression, microbial detection and the determination of viral load. OneStep qPCR Dye Mix A contains buffer, MgCl₂, dNTPs, the fluorescent dsDNA binding dye and stabilisers/enhancers at concentrations designed for optimal performance. OneStep qPCR Dye Mix B contains an enzyme cocktail designed to achieve excellent results. Morzon OneStep qPCR Dye Master Mix Kit is optimized to be used with most of real-time PCR instruments.

Features:

- Easy reaction set up
- No need for a separate reverse transcription step
- Decrease in handling errors
- Rapid results
- High sensitivity detection
- Compatible with most of the real-time PCR instruments



Ordering Information

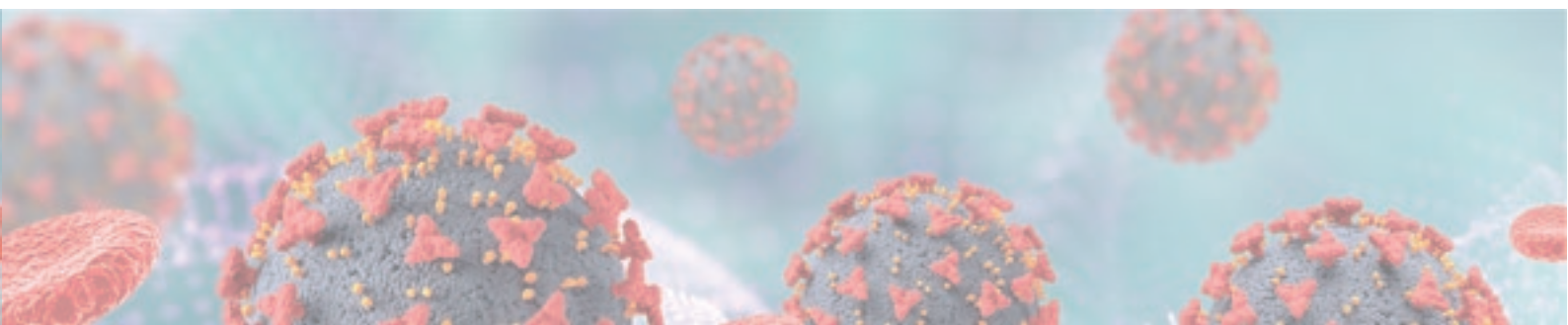
Product Name	Package	Cat. No.
Morzon OneStep qPCR Dye Master Mix Kit	100 Tests	MP201911-100
Morzon OneStep qPCR Dye Master Mix Kit	500 Tests	MP201911-500

Morzon DNA qPCR Probe Master Mix Kit

- Morzon DNA qPCR Probe Master Mix Kit can be utilized to amplify any DNA template including genomic DNA, microbial DNA and viral DNA for several purposes including the analyzing of genotyping, microbial detection and the determination of viral load. DNA qPCR Probe Mix contains buffer, MgCl₂, dNTPs, enzyme cocktail and stabilisers/enhancers at concentrations designed for optimal performance. Morzon DNA qPCR Probe Master Mix Kit is optimized to be used with most of real-time PCR instruments.

Features:

- Easy reaction set up
- No need for a separate reverse transcription step
- Decrease in handling errors
- Rapid results
- High sensitivity detection
- Compatible with most of the real-time PCR instruments



Ordering Information

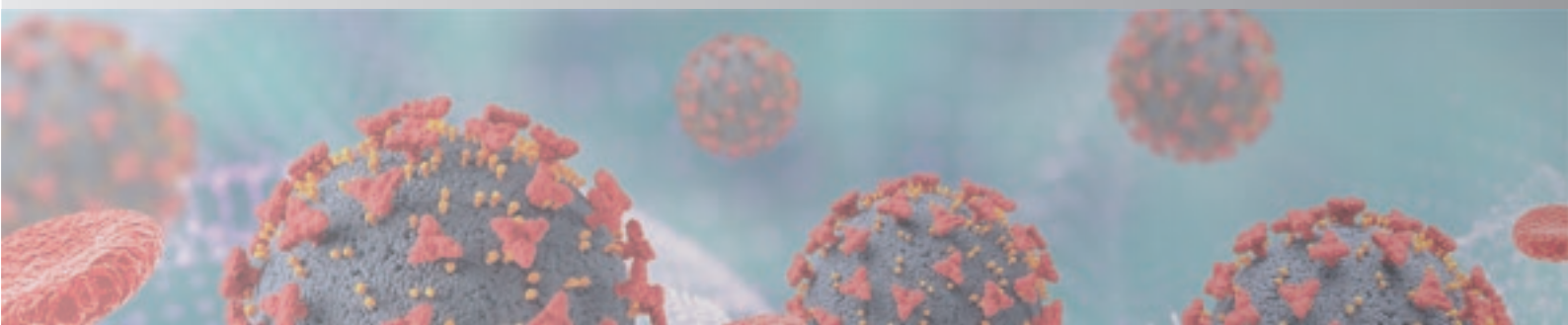
Product Name	Package	Cat. No.
Morzon DNA qPCR Probe Master Mix Kit	100 Tests	MP201912-100
Morzon DNA qPCR Probe Master Mix Kit	500 Tests	MP201912-500

Morzon DNA qPCR Dye Master Mix Kit

- Morzon DNA qPCR Dye Master Mix Kit can be utilized to amplify any DNA template including genomic DNA, microbial DNA and viral DNA for several purposes including the analyzing of genotyping, microbial detection and the determination of viral load. DNA qPCR Dye Mix contains buffer, MgCl₂, dNTPs, the fluorescent dsDNA binding dye, enzyme cocktail and stabilisers/enhancers at concentrations designed for optimal performance. Morzon DNA qPCR Dye Master Mix Kit is optimized to be used with most of real-time PCR instruments.

Features:

- Easy reaction set up
- No need for a separate reverse transcription step
- Decrease in handling errors
- Rapid results
- High sensitivity detection
- Compatible with most of the real-time PCR instruments



Ordering Information

Product Name	Package	Cat. No.
Morzon DNA qPCR Dye Master Mix Kit	100 Tests	MP201913-100
Morzon DNA qPCR Dye Master Mix Kit	500 Tests	MP201913-500

Product List

Molecular Diagnostic Kits

Product Name	Cat No
Morzon HBV qPCR Kit (Quantitative)	MP201901
Morzon HCV qPCR Kit (Quantitative)	MP201902
Morzon HIV-1 qPCR Kit(Quantitative)	MP201903
Morzon CMV qPCR Kit (Quantitative)	MP201904
Morzon HCV Genotyping PCR Kit	MP201905
Morzon MTBC qPCR Kit(Qualitative)	MP201921
Morzon Flu A&B / SARS-CoV-2 qPCR Kit	MP202010
Morzon Influenza A&B qPCR Kit	MP202220
Morzon Flu A&B /RSV/ SARS-CoV-2 qPCR Kit	MP202011
Morzon Direct SARS-CoV-2 qPCR Kit on 96/384-well plate (Extraction-free)	MP202221
Morzon HPV 26 Screening Kit	MP202222
Morzon HPV 14 Genotyping Kit	MP202223
Morzon Sepsis Pathogen Detection Kit	MP202201
Morzon SARS-CoV-2 qPCR Kit	MP202103
Morzon Enterobacter cloacae qPCR Kit	MP202204
Morzon Escherichia coli qPCR Kit	MP202205
Morzon Acinetobacter baumannii qPCR Kit	MP202206
Morzon Carbapenem resistance qPCR Kit	MP202207
Morzon Staphylococcus aureus qPCR Kit	MP202208
Morzon Staphylococcus spp. qPCR Kit	MP202209
Morzon Methicillin resistance qPCR Kit	MP202210
Morzon Enterococcus faecalis qPCR Kit	MP202211
Morzon Enterococcus faecium qPCR Kit	MP202212
Morzon Vancomycin resistance qPCR Kit	MP202213
Morzon Streptococcus pneumoniae qPCR Kit	MP202214
Morzon Candida spp qPCR Kit	MP202215
Morzon Monkeypox qPCR Kit	MP202224



Nucleic Acid Purification Kits

Product Name	Cat No
Morzon Viral Nucleic Acid Purification Kit	MP201906
Morzon DNA Purification Kit from Respiratory Samples	MP201907
Morzon DNA Purification Kit from Tissue & Paraffin-Embedded Tissue	MP201908
Morzon Genomic DNA Purification Kit from Blood	MP201909
Morzon Viral DNA Purification Kit	MP201914
Morzon Viral RNA Purification Kit	MP201915
Morzon Genomic DNA Purification Kit from Yeast	MP201916
Morzon Genomic DNA Purification Kit from Bacteria	MP201917
Morzon Plasmid DNA Purification Kit	MP201918
Morzon GEL/PCR Product Purification Kit	MP201919
Morzon Magnetic Viral Nucleic Acid Purification Kit	MP201920
Morzon DNA Purification Kit from Blood Culture	MP202225
Morzon Cervical Specimens Transport Reagent	MP202219
MorEXT Nucleic Acid Extraction Reagent	MP202004
Morzon Viral Transport Medium	MP202005



Research-Life Science Kits

Product Name	Cat No
Morzon OneStep qPCR Probe Master Mix Kit	MP201910
Morzon OneStep qPCR Dye Master Mix Kit	MP201911
Morzon DNA qPCR Probe Master Mix Kit	MP201912
Morzon DNA qPCR Dye Master Mix Kit	MP201913

