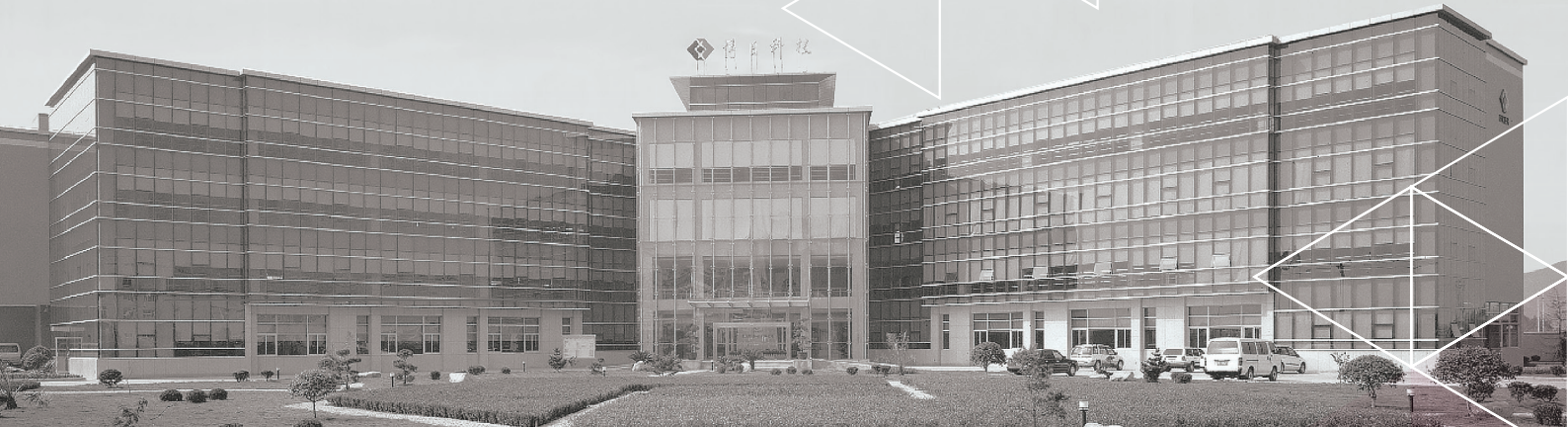
BIOER TECHNOLOGY

CARE FOR LIFE WITH
SCIENCE AND TECHNOLOGY

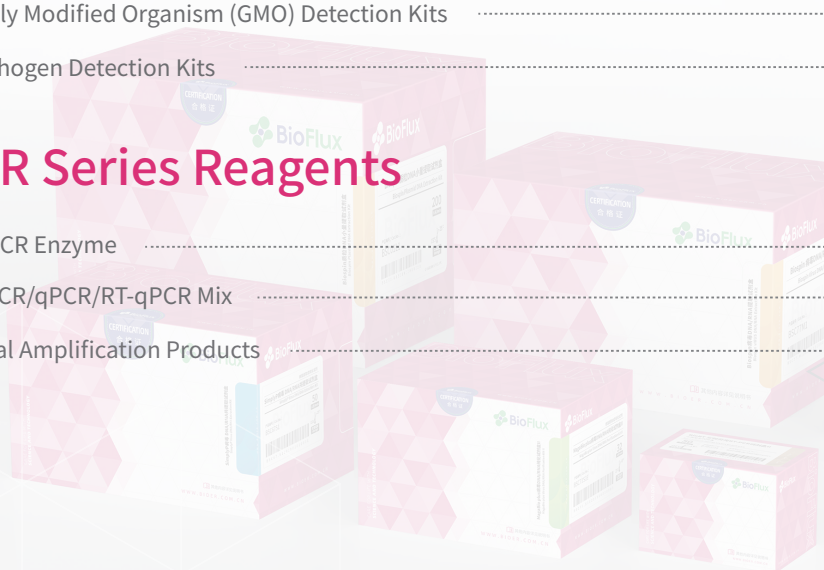
BIOER REAGENT SELECTION GUIDE

COMPANY PROFILE

Hangzhou Bioer Technology Co., LTD is a molecular detection supplier based on a series of products and services. It is located in the beautiful Qiantang River bank, covers an area of 26,000 square meters, has more than 600 employees. Bioer has been focusing on the PCR field for more than 25 years. In 2002, Bioer obtained the registration certificate of China quantitative fluorescent PCR detection system, achieving a milestone break through in the PCR field in China. Bioer Technology has developed into a world-famous PCR industrial base, providing customers with a full set of solutions in the field of life science research and application, including instruments, reagents, consumables, etc.



Contents



Contents

Others

Popular Products Introduction

Product Details Page

DNA Extraction Reagents

1.1 Spin Column Reagents

Product	Cat. No.	Package	Sample Type
Biospin Plasmid DNA Extraction Kit	BSC01S1/BSC01M1	50T/100T	E.coli, Agrobacterium and other bacteria plasmids
Biospin Plasmid Mid DNA Extraction Kit	BSC01S1B/BSC01M1B	10T/25T	
Biospin Plasmid Max DNA Extraction Kit	BSC01S1C/BSC01M1C	10T/25T	
Biospin Endo-free Plasmid DNA Mini Extraction Kit	BSC01S1D/BSC01M1D	50T/100T	
Biospin Endo-free Plasmid DNA Midi Extraction Kit	BSC01S1E/BSC01M1E	10T/25T	
Biospin Endo-free Plasmid DNA Maxi Extraction Kit	BSC01S1F/BSC01M1F	10T/25T	
Biospin Yeast Plasmid DNA Extraction Kit	BSC01S1G/BSC01M1G	50T/100T	Yeast plasmid
Biospin Gel Extraction Kit	BSC02S1/BSC02M1	50T/100T	Gels containing DNA fragments
Biospin Gel and PCR Purification Kit	BSC02M1A	100T	Gels containing DNA fragments, PCR products and various enzymatic reaction products
Biospin PCR Purification Kit	BSC03S1/BSC03M1	50T/100T	PCR products and various enzymatic reaction products
Biospin Tissue Genomic DNA Extraction Kit	BSC04S1/BSC04M1	50T/100T	Animal tissue
Biospin Cell Genomic DNA Extraction Kit	BSC05S1/BSC05M1	50T/100T	Various cultured cells
Biospin Whole Blood Genomic DNA Extraction Kit HOT	BSC06S1/BSC06M1	50T/100T	Blood treated with anticoagulants in mammals, birds, etc
Biospin Whole Blood Genomic DNA Mid Extraction Kit	BSC06S1B	10T	
Biospin Whole Blood Genomic DNA Max Extraction Kit	BSC06S1C	10T	
Biospin Bacteria Genomic DNA Extraction Kit	BSC12S1/BSC12M1	50T/100T	Gram-positive and Gram-negative bacteria
Biospin Plant Genomic DNA Extraction Kit	BSC13S1	50T	Various plants
Biospin Plant Omni Genomic DNA Extraction Kit	BSC13S1B/BSC13M1B	50T/100T	Various plants, including polysaccharides and polyphenols
Biospin Fungus Genomic DNA Extraction Kit	BSC14S1/BSC14M1	50T/100T	Fruiting solid fungal tissue, liquid fungal culture, liquid yeast culture
Biospin FFPE Tissue Genomic DNA Extraction Kit HOT	BSC24S1/BSC24M1	50T/100T	Paraffin embedded tissue or formalin fixed tissue
Biospin Insect Genomic DNA Extraction Kit	BSC26S1/BSC26M1	50T/100T	Insect tissue
Biospin Ocean Animal Tissue Genomic DNA Extraction Kit	BSC27S1/BSC27M1	50T/100T	Marine animal tissue
Biospin Oral swab DNA extraction Kit	BSC28S1/BSC28M1	50T/100T	Oral swabs
Biospin Plasma Circulating DNA Extraction Kit HOT	BSC30S1/BSC30M1	50T/100T	Serum, plasma
Biospin Plasma Circulating DNA Midi Purification Kit	BSC30S1B/BSC30M1B	50T/100T	
Biospin Virus DNA Extraction Kit	BSC32S1/BSC32M1	50T/100T	Plasma, serum, tissue, swab
Biospin Omni Genomic DNA Extraction Kit HOT	BSC39S1/BSC39M1	50T/100T	Animal tissue, cells, blood, dry spots, bacteria
Biospin Blood/Cell/Tissue Genomic DNA Extraction Kit	BSC47S1/BSC47M1	50T/100T	Whole blood, cells, tissue
Biospin Bacteria Genomic DNA Extraction Kit II	BSC49S1	50T	Gram-positive and Gram-negative bacteria
Biospin Virus DNA Extraction Kit II HOT	BSC72S1/ BSC72M1	50T/100T	Tissue, whole blood, serum, plasma and body fluid
SimplyP Virus DNA Extraction Kit	BSC76S1/BSC76M1	50T/100T	Plasma, serum, tissue, swab

1.2 Magnetic Bead Reagents

Note: Pre-packaged and bottle reagentts are avaliable

Product	Cat. No.	Package	Sample Type
MagaBio plus General Genomic DNA Purification Kit	BSC07S1C/BSC07S1B/BSC07M1B	32T/50T/100T	Tissues, cells, whole blood
MagaBio plus Whole Blood Genomic DNA Purification Kit	BSC08S1C/BSC08S1B/BSC08M1B	32T/50T/100T	Whole blood
MgaBio plus Bacterium Genomic DNA Purification Kit	BSC09S1C/BSC09S1B	32T/50T	Gram-positive bacteria, Gram-negative bacteria
MagaBio plus Plant Genomic DNA Purification Kit	BSC10S1C/BSC10L1F/BSC10S1B/ BSC10M1B	32T/96T/50T/ 100T	Plant tissue (Root、Stem、Leaf、Flower、Fruit、Seed)
MagaBio plus Virus DNA Purification Kit	BSC11S1C/BSC11T1E/BSC11S1B/ BSC11M1B	32T/16T/50T/ 100T	Serum, plasma, tissue, body fluids, feces, swabs etc
MagaBio FFPE Tissue Genomic DNA Extraction Kit HOT	BSC31S1C/BSC31L1E/BSC31S1/ BSC31M1	32T/96T/50T/ 100T	Paraffin-embedded tissue or formalin-fixed tissue
MagaBio Insect Genomic DNA Purification Kit	BSC33S1C/BSC33S1/BSC33M1	32T/50T/100T	Various insect and arthropod tissues
MagaBio Blood Spots Genomic DNA HOT	BSC34S1C/BSC34L1E/BSC34S1/ BSC34M1	32T/96T/50T/ 100T	Dried blood spots, trace whole blood
MagaBio Swabs Genomic DNA Purification Kit	BSC35S1C/BSC35S1/BSC35M1	32T/50T/100T	Oral swab, saliva
MagaBio plus Tissue Genomic DNA Purification Kit	BSC37S1C/BSC37S1/BSC37M1	32T/50T/100T	Various animal tissue and cell samples
MagaBio Plasma Circulating DNA Purification Kit	BSC40S1C/BSC40T1E/BSC40S1/ BSC40M1	32T/16T/50T/ 100T	Cell-free tissue fluids such as plasma and serum
Magabio Plasmid DNA Purification Kit	BSC41S1C/BSC41S1/BSC41M1	32T/50T/100T	Plasmids of E. coli
MagaBio PCR Purification Kit	BSC42S1C/BSC42S1/BSC42M1	32T/50T/100T	PCR reaction products and various enzymatic reaction products
MagaBio Bacterium DNA Fast Purification Kit	BSC45S1C/BSC45M1E/BSC45S1/ BSC45M1	32T/48T/50T/ 100T	Gram-positive bacteria, Gram-negative bacteria
MagaBio Plasma Circulating DNA Purification Kit II	BSC46T1C/BSC46S1C/BSC46M1S/ BSC46S1/BSC46M1	16T/32T/48T/ 50T/100T	Serum and plasma
MagaBio Soil and Feces Genomic DNA Purification Kit	BSC48S1C/BSC48L1E/BSC48S1/ BSC48M1	32T/96T/50T/ 100T	Soil and fecal samples
MagaBio plus Virus DNA Purification Kit II HOT	BSC50S1E/BSC50L1E/BSC50S1B/ BSC50M1B	32T/96T/50T/ 100T	Whole blood, serum, plasma, tissues, body fluids, stool, swabs etc
MagaBio plus Whole Blood Genomic DNA Purification Kit II HOT	BSC73S1E/BSC73L1E/BSC73S1B/ BSC73M1B	32T/96T/50T/ 100T	Whole blood
MagaBio plus General Genomic DNA Purification Kit II HOT	BSC74S1E/BSC74L1E/BSC74S1B/ BSC74M1B	32T/96T/50T/ 100T	Whole blood, amniotic fluid, saliva, tissues, cells, dried blood spots, oral swabs
MagaBio plus Virus DNA Purification Kit III	BSC84S1EX/BSC84M1EX/BSC84S1BX/ BSC84M1BX	32T/48T/50T/ 100T	For animal epidemic control
MagaBio plus Maxi Whole Blood Genomic DNA Purification Kit	BSC90S1/BSC90M1/BSC90S1/ BSC90M1	10T/25T/10T/ 25T	Whole blood
MagaBio Maxi Plasma Circulating DNA Purification Kit HOT	BSC95T1S/BSC95S1/BSC95M1	16T/10T/25T	Human serum, plasma or other cell-free fluid samples
MagaBio Bacterium DNA Purification Kit III HOT	BSC96T1E/BSC96S1E/BSC96S1B/ BSC96M1B	16T/32T/50T/ 100T	Bacteria
MagaBio Maxi Plasma Circulating DNA Purification Kit III	BSC97T1S	16T	Plasma
MagaBio Feces Genomic DNA Purification Kit HOT	BSC107T1E/BSC107S1E/BSC107S1B/ BSC107M1B	16T/32T/50T/ 100T	Fece samples
MagaBio Forensic Sample DNA Purification Kit HOT	BSC109T1E/BSC109S1E/BSC109S1B/ BSC109M1B	16T/32T/50T/ 100T	Forensic Sample

1.3 BioFast & dBIOZOL & BioDirect Reagents

Product	Cat. No.	Package	Sample Type
Biospin Polyacrylamide Gel DNA Extraction Kit	BSC15S1/BSC15M1	50T/100T	Polyacrylamide Gel
BioFastspin Plant Genomic DNA Extraction Kit	BSC18T1/BSC18S1	10T/50T	Plant tissue
BioFastspin Tissue Genomic DNA Extraction Kit	BSC20T1/BSC20S1	10T/50T	Animal tissue
BioFast Soil Genomic DNA Extraction Kit HOT	BSC21T1/BSC21S1	10T/50T	Soil samples
BioFastspin Water Genomic DNA Extraction Kit	BSC38S1/BSC38M1	50T/100T	Water sample
BioDirect One-step DNA Extraction Reagent	BSC43S1/BSC43M1	50T/100T	Animal feces, swab, oral fluid, blood, plasma, etc

RNA Extraction Reagents

2.1 Spin Column Reagents

Product	Cat. No.	Package	Sample Type
SimplyP Total RNA Extraction Kit	BSC52S1/BSC52M1/BSC52L1	50T/100T/200T	Whole blood, cells, bacteria, tissues, etc.
SimplyP Total RNA Extraction Kit (DNA-free) HOT	BSC52S1B	50T	
SimplyP Virus RNA Extraction Kit	BSC56S1/BSC56M1	50T/100T	Liquid samples of animals, plant tissues, plasma, serum, ascites, etc.
Biospin Virus RNA Extraction Kit	BSC62S1/BSC62M1	50T/100T	Plasma, serum, tissue, swab
Biospin Total RNA Extraction Kit	BSC63S1/BSC63M1	50T/100T	Tissues, liquid samples, blood leukocytes, cultured cells
Biospin MiRNA Extraction Kit	BSC64S1/BSC64M1	50T/100T	Animal tissues, cells, bacteria
Biospin Plant Total RNA Extraction Kit HOT Biospin Plant Total RNA Extraction Kit (DNA-free) HOT	BSC65S1 BSC65S1B	50T 50T	Polysaccharide polyphenol plant
Biospin FFPE Tissue RNA Extraction Kit	BSC66S1/BSC66M1	50T/100T	Paraffin-embedded tissue or formalin-fixed tissue
Biospin Total RNA Extraction Kit II HOT	BSC80S1/BSC80M1	50T/100T	Tissues, liquid samples, blood leukocytes, cultured cells

2.2 Magnetic Bead Reagents

Product	Cat. No.	Package	Sample Type
MagaBio FFPE Tissue RNA Purification Kit	BSC36T1S/BSC36S1S/BSC36M1E/ BSC36S1/BSC36M1	16T/32T/48T/50T/100T	FFPE Tissue
MagaBio plus Total RNA Purification Kit HOT	BSC53S1C/ BSC53S1B/BSC53M1B	32T/50T/100T	Fresh human blood, serum, cultured cells, animal and plant tissues treated with anticoagulants
MagaBio plus Virus RNA Purification Kit	BSC58S1C/BSC58L1E/ BSC11S1B//BSC58M1B	32T/96T/50T/100T	Serum, plasma, tissue, body fluids, feces, sampling swabs and other samples
MagaBio plus Virus RNA Purification Kit II HOT	BSC87S1E/BSC87S1B/BSC87M1B	32T/50T/100T	Viral RNA in serum, plasma, swabs after sampling, etc.
MagaBio plus Total RNA Purification Kit II HOT	BSC69S1C/BSC69S1B/BSC69M1B	32T/50T/100T	Blood, culture cells, leukocytes, tissue and plant

2.3 BioFast & dBIOZOL & BioDirect Reagents

Product	Cat. No.	Package	Sample Type
BIOZOL Total RNA Extraction Reagent	BSC51S1/BSC51M1	50T/100T	The cells or tissues of plants, animals, or bacteria
pBIOZOL Plant Total RNA Extraction Reagent	BSC55S1/BSC55M1	50T/100T	Plant tissue
BioFast Simply P Total RNA Extraction Kit	BSC60T1/BSC60S1	50T/100T	Animal and plant tissue

DNA / RNA Co-extraction Reagents

3.1 Spin Column Reagents

Product	Cat. No.	Package	Sample Type
Biospin Tissue Cell DNA/RNA Extraction Kit	BSC29S1	50T	Animal tissue or cell
SimplyP Virus DNA/RNA Extraction Kit HOT	BSC67S1/BSC67M1 BSC67L1	50T/100T 200T	Homogenate supernatant of animal and plant tissues, serum, plasma, ascites and other liquid samples
SimplyP Animal Pathogens DNA/RNA Extraction Kit	BSC70T1/BSC70M1	24T/96T	Homogenate supernatant of animal and plant tissues, serum, plasma, ascites
Biospin Virus DNA/RNA Extraction Kit HOT	BSC77S1/BSC77M1	50T/100T	Whole blood, plasma, serum, body fluids, animal and plant tissues, feces, swabs

3.2 Magnetic Bead Reagents

Product	Cat. No.	Package	Sample Type
MagaBio plus Virus DNA/RNA Purification Kit	BSC57T1E/BSC57S1C/ BSC57S1B/BSC57M1B	16T/32T 50T/100T	Tissue, stool, serum, plasma and body fluid samples
MagaBio plus Virus DNA/RNA Purification Kit II HOT	BSC71S1E/BSC71L1E/ BSC71S1B/BSC71M1B	32T/96T 50T/100T	Tissue, stool, whole blood, serum, plasma and body fluid samples
MagaBio pathogens DNA/RNA Purification Kit	BSC75S1C/ BSC75S1/BSC75M1	32T/50T/100T	Plasma, alveolar lavage fluid, sputum, saliva, animal tissue
MagaBio Fecal Pathogens DNA/RNA Purification Kit HOT	BSC78S1C/ BSC78S1/BSC78M1	32T/50T/100T	Feces
MagaBio Plus Virus DNA/RNA Purification Kit II HOT	BSC86T1E/BSC86S1E/ BSC86S1/BSC86M1	16T/32T/ 50T/100T	Swabs, tissue, stool, blood, serum, plasma and other body fluid samples
MagaBio plus Virus DNA/RNA Purification Kit IV	BSC94S1EX/BSC94M1EX/BSC94S1BX/BSC94M1BX	32T/48T/50T/100T	For animal epidemic control
MagaBio Virus DNA/RNA Maxi Purification Kit HOT	BSC98T1S/BSC98S1/BSC98M1	16T/10T/25T	Tissue, feces, serum, etc

3.3 BioFast & dBIOZOL & BioDirect Reagents

Product	Cat. No.	Package	Sample Type
BioFastspin Soil/Stool Genomic DNA/RNA Extraction Kit HOT	BSC68S1/BSC68M1	50T/100T	Soil、Feces

Human Pathogen Detection Kits

4.0 Human Pathogen Detection Kits			
Product	Cat. No.	Certificate	Package
Hepatitis B Virus Nucleic Acid Quantitative Detection Kit (Ultra-Sensitivity)	BSB01M1	RUO	48T
Hepatitis B Virus Nucleic Acid Quantitative Detection Kit	BSB01M1D	RUO	48T
Hepatitis C Virus Nucleic Acid Quantitative Detection Kit (Fluorescent PCR)	BSB02M1F	RUO	48T
PCR / RT-PCR Kit For HCMV PCR Fluorescence Quantitative Detection	BSB18M1	RUO	48T
Mycobacterium tuberculoisis (TB) PCR Fluorescence Quantitative Diagnostic Kit	BSB19M1	RUO	48T
HIV RT-PCR Fluorescence Quantitative Detection Kit	BSB24S1C/ BSB24M1C	RUO	32T/48T
HBV、HCV、HIV PCR Fluorescence Detection Kit	BSB29S1/BSB29M1	RUO	32T/96T
Human Papillomavirus (HPV) Nucleic Acid Test Kit (Fluorescence PCR)	BSJ01S1/BSJ01M1	CE-IVDD	32T/48T
NG, CT, UU, Nucleic Acid Detection Kit (Fluorescence PCR method)	BSJ02S1	RUO	32T
SARS-CoV-2 Nucleic Acid Detection Kit (Fluorescence RT-PCR)	BSJ16S1/BSJ16M1	CE-IVDD	24T/48T
SARS-CoV-2/ Influenza A Virus/ Influenza B Virus Nucleic Acid Detection Kit (Fluorescence RT-PCR)	BSJ17S1/BSJ17M1	CE-IVDD	24T/48T
SARS-CoV-2 Lyophilized Nucleic Acid Detection Kit	BSJ18S1S/BSJ18S1	CE-IVDD	12X8T/96T
Influenza A Virus/Influenza B Virus Nucleic Acid Detection Kit (Fluorescence RT-PCR)	BSJ04S1	CE-IVDD	32T
Respiratory syncytial virus type A/type B Nucleic Acid Detection Kit (RT-PCR- Fluorescence Probe)	BSJ05M1	CE-IVDD	48T
Adenovirus and Adenovirus type 3,4 and 7 Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ06S1/BSJ06M1	CE-IVDD	24T/48T
Group B Streptococcus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ07M1	CE-IVDD	48T
Herpes Simplex Virus Type 1 and 2 Nucleic Acid Typing Detection Kit (Fluorescence PCR)	BSJ08M1	CE-IVDD	48T
Mycoplasma Pneumoniae Nucleic Acid Detection Kit (PCR Fluorescence PCR)	BSJ09M1	CE-IVDD	48T
Bordetella Pertussis Nucleic Acid Detection Kit (PCR Fluorescence Probe)	BSJ10S1/BSJ10M1	CE-IVDD	24T/48T
Human Parainfluenza Virus Type1,Type2,Type3 Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ11M1/BSJ11L1	CE-IVDD	48T/96T
Bocavirus,Human Metapneumovirus and Rhinovirus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ12M1/BSJ12L1	CE-IVDD	48T/96T
SARS-CoV-2 B.1.1.7 Variant Nucleic Acid Detection Kit (Fluorescence RT-PCR)	BSJ19M1	CE-IVDD	48T
SARS-CoV-2 B.1. 351 Variant Nucleic Acid Detection Kit (Fluorescence RT-PCR)	BSJ20M1	CE-IVDD	48T
SARS-CoV-2 Nucleic Acid Rapid Detection Kit (Fluorescence RT-PCR)	BSJ21S1/BSJ21M1	CE-IVDD	24T/48T
Neisseria gonorrhoeae, Ureaplasma urealyticum Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ22S1	CE-IVDD	32T
Ebola Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSJ23S1/BSJ23M1	RUO	24T/48T
HPV (6/11/16/18) Genotyping Real-Time PCR Kit	BSJ24M1	CE-IVDD	48T
SARS-CoV-2 Nucleic Acid Multiple Rapid Detection Kit(Fluorescent RT-PCR)	BSJ25S1/BSJ25M1	CE-IVDD	24T/48T
Enterovirus Universal,Enterovirus 71 ,Coxsackievirus A6 ,Coxsackievirus A10 and Coxsackievirus A6 nucleic acid Detection Kit (Fluorescence PCR)	BSJ26M1/BSJ26L1	CE-IVDD	48T/96T

4.0 Human Pathogen Detection Kits			
Product	Cat.No.	Certificate	Package
Streptococcus Pneumoniae and Haemophilus Influenzae Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ31M1/BSJ31L1	CE-IVDD	48T/96T
Monkeypox Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ32S1/BSJ32M1	CE-IVDD	24T/48T
Lassa Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ33S1/BSJ33M1	CE-IVDD	24T/48T
Monkeypox Virus Nucleic Acid Multiple Detection Kit (Fluorescent PCR)	BSJ34S1/BSJ34M1	CE-IVDD	24T/48T
Norovirus/Group A Rotavirus and Enteric Adenovirus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ35M1/BSJ35L1	CE-IVDD	48T/96T
SARS-CoV-2/ Influenza A Virus/ Influenza B Virus Nucleic Acid Multiple Detection Kit (Fluorescent PCR)	BSJ36M1/BSJ36L1	CE-IVDD	48T/96T
SARS-CoV-2/ Influenza A Virus/ Influenza B Virus Nucleic Acid Multiple Detection Kit (Fluorescent PCR)	BSJ37M1/BSJ37L1	CE-IVDD	48T/96T
Group A Streptococcus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ38M1/BSJ38L1	CE-IVDD	48T/96T
Vibrio Cholerae Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ39M1/BSJ39L1	CE-IVDD	48T/96T
Dengue Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ43M1/BSJ43L1	RUO	48T/96T
Plasmodium Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ44M1	RUO	48T
SARS-CoV-2 Antigen Test Kit (Colloidal Gold Method)	BSK02S1S/BSK02M1S	CE-IVDD	25T/50T
Influenza A& B Antigen Rapid Test Kit (Colloidal Gold Method)	BSK09S1S/BSK09M1S	CE-IVDD	25T/50T
Dengue NS1 Antigen Rapid Test Kit (Colloidal Gold Method)	BSK10S1S/BSK10M1S	CE-IVDD	25T/50T
Typhoid IgG/IgM Rapid Test Kit (Colloidal Gold Method)	BSK11S1S/BSK11M1S	CE-IVDD	25T/50T
Malaria P.f./P.v. Antigen Rapid Test Kit (Colloidal Gold Method)	BSK12S1S/BSK12M1S	CE-IVDD	25T/50T
Malaria P.f./Pan Antigen Rapid Test Kit (Colloidal Gold Method)	BSK13S1S/BSK13M1S	CE-IVDD	25T/50T
Dengue IgM/IgG Rapid Test Kit (Colloidal Gold Method)	BSK14S1S/BSK14M1S	CE-IVDD	25T/50T
Typhoid Antigen Rapid Test Kit (Colloidal Gold Method)	BSK15S1S/BSK15M1S	CE-IVDD	25T/50T
Respiratory Syncytial Virus (RSV) Antigen Rapid Test Kit (Colloidal Gold Method)	BSK16S1S/BSK16M1S	CE-IVDD	25T/50T
Rotavirus & Adenovirus Antigen Rapid Test Kit (Colloidal Gold Method)	BSK17S1S/BSK17M1S	CE-IVDD	25T/50T
Mycoplasma Pneumoniae IgM/IgG Rapid Test Kit (Colloidal Gold Method)	BSK18S1S/BSK18M1S	CE-IVDD	25T/50T

Food Safety Detection Kits

5.0 Food Safety Detection Kits		
Product	Cat.No.	Package
Enterobacter sakazaii DNA Fluorescence PCR Detection Kit	BSB10M1	48T
Salmonella PCR Fluorescence Quantitative Detection Kit	BSB37S1/BSB37M1	24T/48T
Escherichia coli O157 PCR Fluorescence Quantitative Detection Kit	BSB38S1/BSB38M1	24T/48T
Staphylococcus Aureus PCR Fluorescence Quantitative Detection Kit	BSB39S1/BSB39M1	24T/48T
Pseudomonas Aeruginosa PCR Fluorescence Quantitative Detection Kit	BSB41S1/BSB41M1	24T/48T
Chicken DNA Real Time PCR Detection Kit	BSB42S1/BSB42M1	24T/48T
Duck DNA Real Time PCR Detection Kit	BSB43S1/BSB43M1	24T/48T

5.0 Food Safety Detection Kits		
Product	**Cat.No.**	**Package**
Goose-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB44S1/BSB44M1	24T/48T
Bovine-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB45S1/BSB45M1	24T/48T
Porcine-derived Nucleic Acid DetectionKit (Fluorescence PCR)	BSB46S1/BSB46M1	24T/48T
Ovine-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB47S1/BSB47M1	24T/48T
Horse-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB48S1/BSB48M1	24T/48T
Horse-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB49S1/BSB49M1	24T/48T
Mouse-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB50S1/BSB50M1	24T/48T
Fox-derived Nucleic Acid Detection Kit (Fluorescence PCR)	BSB52S1/BSB52M1	24T/48T
Bovine/Pig/Duck DNA Real Time PCR Dection Kit	BSB53S1/BSB53M1	24T/48T
Listeria Monocytogenes PCR Fluorescence Quantitative Detection Kit	BSB54S1/BSB54M1	24T/48T
Vibrio Parahemolyticus PCR Fluorescence Quantitative Detection Kit	BSB55S1/BSB55M1	24T/48T
Bacillus Cereus PCR Fluorescence Quantitative Detection Kit	BSB56S1/BSB56M1	24T/48T
Escherichia Coli PCR Fluorescence Quantitative Detection Kit	BSB61S1/BSB61M1	24T/48T
Staphylococcus Aureus PCR Fluorescence Quantitative Detection Kit	BSB62S1/BSB62M1	24T/48T
Bacillus Cereus PCR Fluorescence Quantitative Detection Kit	BSB63S1/BSB63M1	24T/48T
Bacteria PCR Fluorescence Quantitative Detection Kit	BSB64S1/BSB64M1	24T/48T
Diarrheagenic Escherichia Coli 5-subtypes Multiplex Detection Kit (Fluorescence PCR)	BSB87S1/BSB87M1	24T/48T
Escherichia Coli Nucleic Acid Universal Detection Kit (Fluorescent PCR)	BSB88S1/BSB88M1	24T/48T
Common Livestock and Poultry Animal-Derived Internal Reference Gene Nucleic Acid Detection kit (Fluorescence PCR)	BSB93S1/BSB93M1	24T/48T
Salmonella Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSB100S1	48T
Staphylococcus Aureus Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSB101S1	48T
Listeria monocyto Genes Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSB102S1	48T

Aquatic Pathogen Detection Kits

6.0 Aquatic Pathogen Detection Kits		
Product	**Cat.No.**	**Package**
White Spot Syndrome Virus Real Time PCR Detection Kit	BSN01S1/BSN01M1	16T/32T
Infectious hypodermal and haematopoietic necrosis virus Real Time PCR Detection Kit	BSN02S1/BSN02M1	16T/32T
Shrimp Hemocyte Iridescent Virus Real Time PCR Detection Kit	BSN03S1/BSN03M1	16T/32T
Vibrio Harveyi Real Time PCR Detection Kit	BSN04S1/BSN04M1	16T/32T
EMS & EHP Dual Chanel Real Time PCR Detection Kit	BSN05S1/BSN05M1	16T/32T
Bacteria & Vibrio Dual Chanel Real Time PCR Detection Kit	BSN06S1/BSN06M1	16T/32T
Taura Syndrome Virus Real Time RT-PCR Detection Kit	BSN07S1/BSN07M1	16T/32T
Yellow Head Virus Real Time RT-PCR Detection kit	BSN08S1/BSN08M1	16T/32T
Enterocytozoon hepatopenaei (EHP) Real Time PCR Detection Kit	BSN09S1/BSN09M1	16T/32T

6.0 Aquatic Pathogen Detection Reagents		
Product	**Cat. No.**	**Package**
Early Mortality Syndrome/Acute Hepatopancreatic Necrosis Disease (EMS/AHPND) Real Time PCR Detection Kit	BSN10S1/BSN10M1	16T/32T
Hepatopancreatic Parvovirus Real Time PCR Detection Kit	BSN11S1/BSN11M1	16T/32T
Baculovirus Penaei Real Time PCR Detection Kit	BSN12S1/BSN12M1	16T/32T
Macrobrachium Rosenbergii Shrimp Norda Virus Real Time RT-PCR Detection Kit	BSN13S1/BSN13M1	16T/32T
Edwardsiella Real Time PCR Detection Kit	BSN14S1/BSN14M1	16T/32T
White Spot Syndrome Virus and Infectious Hypodermal and Haematopoietic Necrosis Virus Real Time PCR Detection Kit	BSN15S1/BSN15M1	16T/32T
Viral Hemorrhagic Septicemia Virus Real Time RT-PCR Detection Kit	BSN16S1/BSN16M1	16T/32T
Spring Viraemia of Carp Virus Real Time RT-PCR Detection Kit	BSN17S1/BSN17M1	16T/32T
Koi Herpesvirus Real Time PCR Detection Kit	BSN18S1/BSN18M1	16T/32T
EHP/BNV Triple Real Time PCR Detection Kit	BSN19S1/BSN19M1	16T/32T
EMS/BNV Triple Channels Real Time PCR Detection Kit	BSN20S1/BSN20M1	16T/32T
EMS/EHP/BNV Quadruple Real Time PCR Detection Kit	BSN21S1/BSN21M1	16T/32T

Animal Pathogen Detection Reagents

7.0 Animal Pathogen Detection Kits		
Product	**Cat. No.**	**Package**
FHV-1 Real Time PCR Detection Kit	BSL01S1/BSL01M1	16T/32T
RV Real Time RT-PCR Detection Kit	BSL02S1/BSL02M1	16T/32T
FIPV Real Time RT-PCR Detection kit	BSL03S1/BSL03M1	16T/32T
ASFV Real Time PCR Detection Kit	BSL04S1A/BSL04M1A	24T/48T
ASFV Real Time PCR Detection Kit	BSL04S1B/BSL04M1B	24T/48T
ASFV Real Time PCR Detection Kit	BSL04S1C/BSL04M1C	24T/48T
CAV I Real Time PCR Detection Kit	BSL05S1/BSL05M1	16T/32T
CAV II Real Time PCR Detection Kit	BSL06S1/BSL06M1	16T/32T
CPIV Real Time RT-PCR Detection Kit	BSL07S1/BSL07M1	16T/32T
Bordetella bronchiseptica Real Time PCR Detection Kit	BSL08S1/BSL08M1	16T/32T
CHV Real Time PCR Detection Kit	BSL09S1/BSL09M1	16T/32T
Canine Distemper virus Real time RT-PCR Detection Kit	BSL10S1/BSL10M1	16T/32T
Fcov and Ccov Real Time RT-PCR Detection Kit	BSL11S1/BSL11M1	16T/32T
CPV and FPV Wild strain Real Time PCR Detection Kit	BSL12S1/BSL12M1	16T/32T
Leptospira Real Time PCR Detection Kit	BSL13S1/BSL13M1	16T/32T
FCV Real Time RT-PCR Detection Kit	BSL14S1/BSL14M1	16T/32T
Chlamydia DNA Real Time PCR Detection Kit	BSL15S1/BSL15M1	16T/32T
Mycoplasma Real Time PCR Detection Kit	BSL16S1/BSL16M1	16T/32T
Mycoplasma haemofelis Real Time PCR Detection Kit	BSL17S1/BSL17M1	16T/32T

7.0 Animal Pathogen Detection Kits

Product	Cat. No.	Package
CPV and FPV Real Time PCR Detection Kit	BSL18S1/BSL18M1	16T/32T
Toxoplasma Gondii Real Time PCR Detection Kit	BSL19S1/BSL19M1	16T/32T
Babesiidae Real Time PCR Detection Kit	BSL20S1/BSL20M1	16T/32T
Babesia Gibsoni Real Time PCR Detection Kit	BSL21S1/BSL21M1	16T/32T
FIV Real Time RT-PCR Detection Kit	BSL22S1/BSL22M1	16T/32T
Feline Leukemia Virus Real Time RT-PCR Detection Kit	BSL23S1/BSL23M1	16T/32T
Brucella Real Time PCR Detection Kit	BSL24S1/BSL24M1	16T/32T
Ehrilichia Real Time PCR Detection Kit	BSL25S1/BSL25M1	16T/32T
Giardia Real Time PCR Detection Kit	BSL26S1/BSL26M1	16T/32T
ASFV Wild Strain and Gene-deleted Vaccine Strain Real Time PCR Dual Detection Kit	BSL27S1/ BSL27M1	24T/48T
CSFV Real Time RT-PCR Detection Kit	BSL28S1/ BSL28M1	24T/48T
PCV II Real Time PCR Detection Kit	BSL29S1/ BSL29M1	24T/48T
PRV (gE) Real Time PCR Detection Kit	BSL30S1/ BSL30M1	24T/48T
High Pathogenicity PRRSV Real Time RT-PCR Detection Kit	BSL31S1/ BSL31M1	24T/48T
American Type PRRSV Strains Real Time RT-PCR Detection Kit	BSL32S1/ BSL32M1	24T/48T
PRRSV Universal Real Time RT-PCR Detection Kit	BSL33S1/ BSL33M1	24T/48T
PEDV Real Time RT-PCR Detection Kit	BSL34S1/BSL34M1	24T/48T
ASFV Wild Strain and Gene-deleted VaccineStrain Nucleic Acid Detection Kit (Fluorescence PCR)	BSL35S1/SL35M1	24T/48T
CSFV/PRRSV/PCVII/PRV(gE) Nucleic Acid Detection Kit (Fluorescence PCR)	BSL36S1/BSL36M1	24T/48T
American Type PRRSV Classical strain/Highly pathogenic/NADC-30 Nucleic Acid Detection Kit (Fluorescence PCR)	BSL37S1/BSL37M1	24T/48T
PEDV/TGEV/PoRV Nucleic Acid Detection Kit (Fluorescence PCR)	BSL38S1/BSL38M1	24T/48T
Porcine Rotavirus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL39S1/BSL39M1	24T/48T
Transmissible Gastroenteritis Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL40S1/BSL40M1	24T/48T
Yersinia Pestis (YP) Nucleic Acid Detection Kit (Fluorescence PCR)	BSL41S1/BSL41M1	24T/48T
Bacillus anthracis Nucleic Acid Detection Kit (Fluorescence PCR)	BSL42S1/BSL42M1	24T/48T
Porcine Parvovirus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL43S1/BSL43M1	24T/48T
Foot-and-mouth Disease Virus O Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL44S1/BSL44M1	24T/48T
Foot-and-mouth Disease Virus A Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL45S1/BSL45M1	24T/48T
Foot-and-mouth Disease Virus Asia-1 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL46S1/BSL46M1	24T/48T
Foot-and-mouth Disease Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL47S1/BSL47M1	24T/48T
Bluetongue Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL48S1/BSL48M1	24T/48T
Avian Influenza Virus H5 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL49S1/BSL49M1	24T/48T
Avian Influenza Virus H7 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL50S1/BSL50M1	24T/48T
Avian Influenza Virus H9 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL51S1/BSL51M1	24T/48T
Avian Influenza Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL52S1/BSL52M1	24T/48T

7.0 Animal Pathogen Detection Kits		
Product	Cat. No.	Package
Avian Influenza Virus H5/H7/H9 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL53S1/BSL53M1	24T/48T
Avian Influenza Virus H5N8 Subtype Nucleic AcidDetection Kit (Fluorescence PCR)	BSL54S1/BSL54M1	24T/48T
Peste des petits ruminants virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL55S1/BSL55M1	24T/48T
Equine Herpesvirus 1 Nucleic Acid Detection Kit (Fluorescence PCR)	BSL56S1/BSL56M1	24T/48T
Avian Influenza Virus H7N9 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL57S1/BSL57M1	24T/48T
Avian Influenza Virus H5N1 Subtype Nucleic Acid Detection Kit (Fluorescence PCR)	BSL58S1/BSL58M1	24T/48T
American genotype and European genotype PRRSV Nucleic Acid Detection Kit(Fluorescence PCR)	BSL59S1/BSL59M1	24T/48T
Mycobacterium bovis Nucleic Acid Detection Kit (Fluorescence PCR)	BSL60S1/BSL60M1	24T/48T
American Type PRRSV Classical Strain/HighlyPathogenic Nucleic Acid Detection Kit(Fluorescence PCR)	BSL61S1/BSL61M1	24T/48T
Mycoplasma hyopneumoniae Nucleic Acid DetectionKit (Fluorescence PCR)	BSL62S1/BSL62M1	24T/48T
Porcine Delta Coronavirus Nucleic Acid DetectionKit (Fluorescence PCR)	BSL63S1/BSL63M1	24T/48T
Swine Influenza Virus H1N1 Subtype Nucleic Acid Detection Kit(Fluorescence PCR)	BSL67S1/BSL67M1	24T/48T
Swine Influenza Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL68S1/BSL68M1	24T/48T
Newcastle Disease Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL69S1/BSL69M1	24T/48T
Avian Infectious Laryngotracheitis Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL70S1/BSL70M1	24T/48T
Avian Infectious Bronchitis Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSL72S1/BSL72M1	24T/48T
Duck plague virus Nucleic Acid Detection Kit (fluorescence PCR)	BSL73S1/BSL73M1	24T/48T
Avian Influenza Virus H5/H7/H9 Subtype Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSL76S1/BSL76M1	24T/48T
Avian Influenza Virus Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSL78S1/BSL78M1	24T/48T
PRRSV Lyophilized Nucleic Acid Detection Kit(Fluorescence PCR)	BSL79S1	48T
Classical Swine Fever Virus Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSL80S1	48T
Procine Epidemic Diarrhea Virus Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSL81S1	48T
Foot-and-mouth Disease Virus Lyophilized Nucleic Acid Detection Kit (Fluorescence PCR)	BSL82S1	48T

Genetically Modified Organism (GMO) Detection Kits

8.0 Genetically Modified Organism (GMO) Detection Kits		
Product	Cat. No.	Package
Soybean Endogenic Gene (Lectin) Nucleic AcidDetection Kit (Fluorescence PCR)	BSB79M1	48T
pCaMV35S Gene Nucleic Acid Detection Kit(Fluorescence PCR)	BSB80M1	48T
tNOS Gene Nucleic Acid Detection Kit (Fluorescence PCR)	BSB81M1	48T
CP4-EPSPS Gene Nucleic Acid Detection Kit (Fluorescence PCR)	BSB82M1	48T

Plant Pathogen Detection Kits

9.0 Plant Pathogen Detection Kits		
Product	Cat. No.	Package
Beet Curly Top Virus Nucleic Acid Detection Kit(Fluorescent PCR)	BSB94S1/BSB94M1	24T/48T
Alfalfa Mosaic Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSB95S1/BSB95M1	24T/48T
Arabis Mosaic Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSB96S1/BSB96M1	24T/48T
Cucumber Mosaic Virus Nucleic Acid Detection Kit(Fluorescent PCR)	BSB97S1/BSB97M1	24T/48T
Lettuce Chlorosis Virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSB98S1/BSB98M1	24T/48T
Hop Latent Viroid, Tobacco mosaic virus, Cannabiscryptic virus Nucleic Acid Detection Kit (Fluorescence PCR)	BSB99S1/BSB99M1	24T/48T

PCR/RT-PCR Enzyme

10.0 DNA Polymerase

Product	Cat. No.	Descriptions	Package
BioReady Hot Start Taq	BSA11M1BM1C/L1B	Coated with antibody and no activity at room temperature.	250U/250U/1000U
BioReady rTaq	BSA12S1/M1/X1	Suitable for cloning by TA vectorn system.	250U/500U/5000U
BioReady LA Taq	BSA13S2/M2	Amplification of long template DNA or templates DNA having complex secondary structure	250U/500U
BioQuick Taq DNA Polymerase V1	BSA47S1	Higher elongation rate (elongation rate of 2 seconds /1000bp) and stronger inhibitor resistance.	5000U
BioQuick Hot Start Taq DNA Polymerase V1	BSA48S1	Heat-activated enzyme, higher elongation rate	1000U

10.1 Reverse Transcriptase

Product	Cat. No.	Descriptions	Package
RT007 AMV Reverse Transcriptase	BSA01S2/M2	cDNA synthesis	200U/1000U
BioReady I Reverse Transcriptase	BSA46S1/M1	Synthesize higher yield first stranded cDNA at higher temperature than the conventional M-MLV	20KU/200KU

10.2 Others

Product	Cat. No.	Descriptions	Package
BioReady Heat-labile UDG	BSA51S1/BSA51M1	Effectively hydrolyze U in single or double chains of Uracil (u) longer than 6 bp	200U /1000 U
BioReady RNase Inhibitor	BSA53S1/BSA53M1	Inhibit RNase A activity	8000U/40KU
BioReady Uracil DNA Glycosylase (UDG)	BSA54S1/BSA54M1	Effectively hydrolyze U in single or double chains of Uracil (u) longer than 6 bp	1000U/5000U
RNase A	BSA40S1	Degrades single-stranded RNA	100UL
DNase I	BSA35S1/L1	Digestion of single or double stranded DNA	50T/2000T

PCR & Reverse Transcription PCR Mix

11.0 PCR & Reverse Transcription PCR Mix

Product	Cat No	Descriptions	Package
BioReady Taq Mix	BSA31S1/M1/L1	2xTaq Mix and ddH20, suitable for less than 8kb	50T/200T/400T
BioReady Taq Mix (with dye)	BSA31S1B/M1B/L1B	Direct electrophoresis of PCR products without the need for additional dyes	50T/200T/400T
BioRT Master HiSensi cDNA First Strand Synthesis kit	BSB40M1	Sample loading as low as 1 pg for RNA template	100T
BioRT Master One Step RT-PCR Kit III (with dye)	BSB72S1/M1/L1	Direct electrophoresis of PCR products without the need for additional dyes	100T/500T/5000T

qPCR Mix

12.0 qPCR Mix			
Product	Cat. No.	Descriptions	Package
BioEasy Master Mix (SYBR Green, high ROX)	BSB25L1B	2x SYBR Green, high ROX	200T
BioEasy Master Mix (SYBR Green, low ROX)	BSB25L1C	2x SYBR Green, low ROX	200T
BioEasy Master Mix (SYBR Green, No ROX)	BSB25L1D	2x SYBR Green, No ROX	200T
BioEasy Multiplex qPCR Probe Master Mix I (UDG plus)	BSB70S1/M1/70L1	2 x qPCR Probe Master Mix I (UDG plus)	100T/200T/500T
BioEasy 5xqPCR Master Mix (Lyophilizable)	BSB76S1	5 x qPCR Master Mix	200T

RT-qPCR Mix

13.0 RT-qPCR Mix			
Product	Cat. No.	Descriptions	Package
BioRT One-step RT-qPCR Kit (UDG plus)	BSB73S1/M1/L1	2 x One-step RT Mix	100T/500T/5000T
BioEasy 2 x RT-qPCR Master Mix (Lyophilizable)	BSB84S1/M1	2 x RT-qPCR Master Mix (Lyophilizable)	100T/500T

Isothermal Amplification Products

14.0 Isothermal Amplification Products			
Product	Cat. No.	Descriptions	Package
BioReady Bst DNA polymerase LF	BSA56S1/M1	It is applicable for large fragments	800U/8000U
BioEasy LAMP Kit (Visual Dye)	BSB85S1/M1	The positive and negative can be judged by changes in color	100T/500T
BioEasy LAMP Kit (Fluorescence Dye)	BSB86S1/M1	25 x green fluorescence dye	100T/500T

Sputum Liquefaction Fluid

15.0 Sputum Liquefaction Fluid		
Product	Cat No	Package
Sputum Liquefaction Fluid	BSC83S1	10ml
Sputum Liquefaction Fluid	BSC83M1	20ml

Sample Preservative Fluid & Viral Transport Medium

16.0 Sample Preservative Fluid (Inactive)

Product	Cat. No.	Package	Sample Type	Feature
Nasal swab, Oropharyngeal swabs, Feces	BSC82S1	100mL	Nasal swab, Oropharyngeal swabs, Feces	Sample Preservative Fluid contains ingredients that effectively inhibit DNase/RNase activity and can stablely preserve viral nucleic acid in various samples (swab, oral fluid, saliva, whole blood, body fluid) for a long time at -20°C without degradation.
	BSC82M1	200mL		
	BSC82L1	1000mL		
Sample Preservative Fluid (Nasal swab, Oropharyngeal Swab)	BSC82N1	50×1mL	Nasal swab, Oropharyngeal swabs	
	BSC82X1-A	50×2mL		
	BSC82X1-B	50×3mL		
	BSC82X1-C	50×4mL		
Sample Preservative Fluid (Nasal swab)	BSC82N1-1	50×1mL	Nasal swab	
	BSC82X1-A1	50×2mL		
	BSC82X1-B1	50×3mL		
	BSC82X1-C1	50×4mL		
Sample Preservative Fluid (Oropharyngeal Swab)	BSC82N1-2	50×1mL	Oropharyngeal Swab,Anal swab	
	BSC82X1-A2	50×2mL		
	BSC82X1-B2	50×3mL		
	BSC82X1-C2	50×4mL		
Universal Transport Medium	BSC93X1-B3	50×3mL	Cervical swab	The medium is intended for the collection, transport and preservation of cervical swab specimens to be analyzed by nucleic acid-based assays.

16.1 Viral Transport Medium (Active)

Product	Cat. No.	Package	Sample Type	Feature
Nasal swab, Oropharyngeal swabs, Feces	BSC85S1	100mL	Nasal swab, Oropharyngeal swabs, Feces	Viral Transport Medium consists of widely used glucose and saline that supports virus preservation. Antibiotics are added to inhibit overgrowth of bacteria and fungi. Suitable for virus nucleic acid extraction, isolation and cultivation.
	BSC85M1	200mL		
	BSC85L1	1000mL		
Viral Transport Medium (Nasal swab, Oropharyngeal Swab)	BSC85N1	50×1mL	Nasal swab, Oropharyngeal swabs	
	BSC85X1-A	50×2mL		
	BSC85X1-B	50×3mL		
	BSC85X1-C	50×4mL		
Viral Transport Medium (Nasal swab)	BSC85N1-1	50×1mL	Nasal swab	
	BSC85X1-A1	50×2mL		
	BSC85X1-B1	50×3mL		
	BSC85X1-C1	50×4mL		
Viral Transport Medium (Oropharyngeal Swab)	BSC85N1-2	50×1 mL	Oropharyngeal Swab	
	BSC85X1-A2	50×2 mL		
	BSC85X1-B2	50×3 mL		
	BSC85X1-C2	50×4 mL		

16.2 Saliva Collection Kit

Product	Cat. No.	Package	Feature
Saliva Collection Kit	BSC91X1-B	2 ml	Inactive
	BSC92X1-B	2ml	Active

Sample Preservative Fluid CE

This product is suitable for stably storing viruses in samples such as nasopharyngeal swabs, anal swabs, tissues, feces, saliva, whole blood, serum, plasma, alveolar lavage fluid, and pleural effusion. This product could directly inactivate the virus during storage, which is safe and harmless; it can effectively store DNA / RNA virus for a long time with stable performance. We fully consider the usage environment and set different specifications for easy use. Sample Preservative Fluid is very popular in medical treatment, graziery, inspection and quarantine, scientific research.

Product Features

Safety

Rapidly inactivate virus sample and cut off the source of infection to ensure the safety of frontline medical workers.

Stability

Inhibit DNase / RNase activity, stable for transportation and storage at room temperature, effective detection rate.

Convenience

Different packaging specifications available, suitable for different application scenarios. The swab is convenient to operate, after the medical staff has collected the sample, put the swab directly into the sample preservation tube.

Usage

Application Cases

Case 1

Tested samples were swabs from upper respiratory tract with different concentrations of influenza A virus stored in the Sample Preservative Fluid. The experiment was carried out to test stability of storage for 7 days at 4 °C and 37 °C. After extracting RNA by using BIOER MagaBio Virus DNA / RNA Purification Kit II (Cat. # BSC71) and detecting by Real time RT-PCR, the comparison results of average Ct values are as follows:

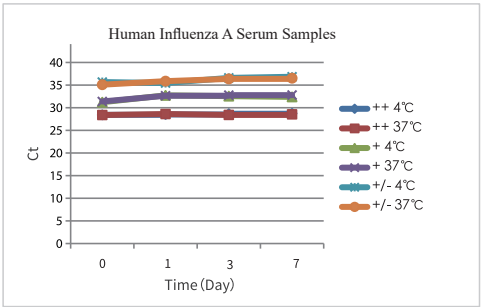


Figure-1

Sample	Storage Temp	Day 0	Day 1	Day 3	Day 7
++	4℃	28.43	28.51	28.67	28.74
	37℃	28.39	28.61	28.41	28.54
+	4℃	31.22	32.73	32.56	32.39
	37℃	31.38	32.65	32.78	32.81
+/-	4℃	35.67	35.45	36.59	36.84
	37℃	35.09	35.87	36.37	36.53

Figure-2

Case 2

Tested samples were feline coronavirus-positive feces. Sample Preservative Fluid was used at a ratio of 1:10 (1 g feces was stored in 10 mL Sample preservative Fluid). The experiment was carried out to test stability of storage for 7 days at 4 °C and 37 °C. After extracting Fcov-RNA from BIOER MagaBio Virus DNA / RNA Purification Kit II (Cat. # BSC71) and detecting it by Real time RT-PCR, the Ct value is as follows:

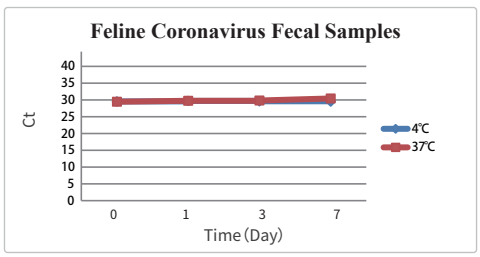


Figure-3

Storage Temp	Day 0	Day 1	Day 2	Day 7
4 ℃	29.56	29.71	29.6	29.51
37 ℃	29.47	29.75	29.83	30.44

Table -1

Case 3

Tested samples are whole blood positivewith African Swine fever virus (ASFV) at different concentrations stored in Sample Preservative Fluid. The experiment is carried out to test stability of storage for 7 days at 4 ° C and 37 ° C. After extracting ASFV-DNA with BIOER MagaBio Virus DNA / RNA Purification Kit II (Cat. # BSC71) and detecting it by Real time PCR, the Ct values are as follows:

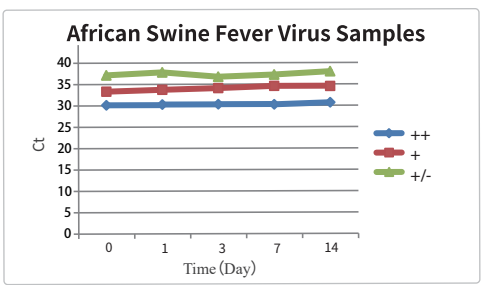


Figure-5

Sample	Day 0	Day 1	Day 3	Day 7	Day 14
++	30.14	30.28	30.32	30.25	30.69
+	33.33	33.73	34.09	34.57	34.51
+/-	37.15	37.81	36.75	37.23	37.97

Table -2

Cat. No.	Product	Package	Sample Type
BSC82S1	Sample Preservative Fluid	100mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC82M1	Sample Preservative Fluid	200mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC82L1	Sample Preservative Fluid	1000mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC82G1	Sample Preservative Fluid	10L	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC82N1-1	Sample Preservative Fluid (with nasal swab)	1mL/Tube	Nasal swab
BSC82X1-A1	Sample Preservative Fluid (with nasal swab)	2mL/Tube	Nasal swab
BSC82X1-B1	Sample Preservative Fluid (with nasal swab)	3mL/Tube	Nasal swab
BSC82X1-C1	Sample Preservative Fluid (with nasal swab)	4mL/Tube	Nasal swab
BSC82N1-2	Sample Preservative Fluid (with oral swab)	1mL/Tube	Oral swab
BSC82X1-A2	Sample Preservative Fluid (with oral swab)	2mL/Tube	Oral swab
BSC82X1-B2	Sample Preservative Fluid (with oral swab)	3mL/Tube	Oral swab
BSC82X1-C2	Sample Preservative Fluid (with oral swab)	4mL/Tube	Oral swab&Anal swab
BSC82N1	Sample Preservative Fluid (with nasal&oral swab)	1mL/Tube	Nasal swabs&Oral swab
BSC82X1-A	Sample Preservative Fluid (with nasal&oral swab)	2mL/Tube	Nasal swabs&Oral swab
BSC82X1-B	Sample Preservative Fluid (with nasal&oral swab)	3mL/Tube	Nasal swabs&Oral swab
BSC82X1-C	Sample Preservative Fluid (with nasal&oral swab)	4mL/Tube	Nasal swabs&Oral swab

Viral Transport Medium

This product is based on Hank's, adding BSA, HEPES, amino acids, glycerin and other components, suitable for virus stable preservation from nasopharyngeal swabs, anal swabs, tissues, feces, saliva, whole blood, serum, plasma, alveolar lavage fluid, pleural effusion and other samples. This product has a non-inactivated preservation system, which can effectively protect the protein and nucleic acid of the virus, and relatively complete preservation of the virus activity, so as to facilitate its subsequent application in the isolation, culture and research of virus.

Product Features

Wide application

suitable for the collection and preservation of all kinds of virus.

Flexible application

while satisfying the requirements of nucleic acid extraction, the virus can also be isolated and cultured for subsequent scientific research and testing experiments.

Easy to use

provide a variety of packaging specifications, convenient to use in different situations.

Quality assurance

Hundred level laminar flow workshop , fully automated production.

Usage

Collect samples | Insert into the tube | Break at crease | Tight the cap

Application Case

Case 1

The CoV RNA virus was stored in Viral Transport Medium and stored at 2-8℃ and 37℃ for 1, 3, 5, 9, 22 and 30 days, respectively, to compare the stability of nucleic acids under different temperature conditions. CoV RNA was extracted using Bioer MagaBio Plus virus DNA/ RNA purification kit II, and vv amplification was performed using Bioer 9600 Plus fluorescence quantitative PCR instrument. Ct results are as follows:

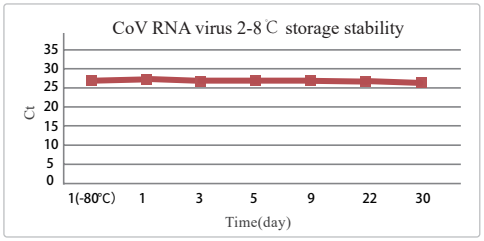


Figure-1

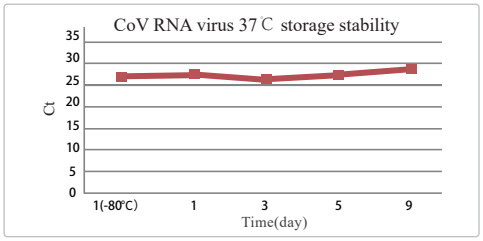


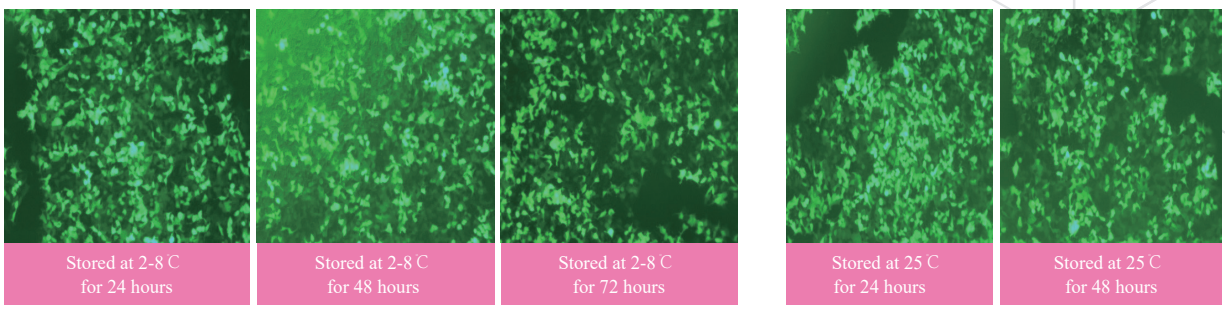
Figure-2

Sample	Storage Temp	Day 1(-80℃)	Day 1	Day 3	Day 5	Day 9	Day 22	Day 30
CoV virus	2-8℃	27.115	27.415	26.605	26.725	26.735	26.725	26.525
	37℃	27.120	27.575	26.210	27.495	28.830	-	-
Negative	-	-	-	-	-	-	-	-

Table -1

Case 2

Lentivirus samples were stored in Viral Transport Medium and placed under the conditions of 2-8℃ and 25℃ respectively. 293T cells were infected at 24h, 48h and 72h. The activity of virus was verified by monitoring the expression of green fluorescent protein:



Stored at 2-8℃ for 24 hours | Stored at 2-8℃ for 48 hours | Stored at 2-8℃ for 72 hours | Stored at 25℃ for 24 hours | Stored at 25℃ for 48 hours

Result:BSC85 can improve the positive rate of virus isolation and preserve the virus and its activity.

Cat. No.	Product	Package	Sample Type
BSC85S1	Viral Transport Medium	100mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC85M1	Viral Transport Medium	200mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC85L1	Viral Transport Medium	1000mL	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC85G1	Viral Transport Medium	10L	Nasal swabs, pharyngeal swabs, body fluids, feces
BSC85N1-1	Viral Transport Medium (with nasal swab)	1mL/Tube	Nasal swab
BSC85X1-A1	Viral Transport Medium (with nasal swab)	2mL/Tube	Nasal swab
BSC85X1-B1	Viral Transport Medium (with nasal swab)	3mL/Tube	Nasal swab
BSC85X1-C1	Viral Transport Medium (with nasal swab)	4mL/Tube	Nasal swab
BSC85N1-2	Viral Transport Medium (with oral swab)	1mL/Tube	Oral swab
BSC85X1-A2	Viral Transport Medium (with oral swab)	2mL/Tube	Oral swab
BSC85X1-B2	Viral Transport Medium (with oral swab)	3mL/Tube	Oral swab
BSC85X1-C2	Viral Transport Medium (with oral swab)	4mL/Tube	Oral swab&Anal swab
BSC85N1	Viral Transport Medium (with nasal&oral swab)	1mL/Tube	Nasal swabs&Oral swab
BSC85X1-A	Viral Transport Medium (with nasal&oral swab)	2mL/Tube	Nasal swabs&Oral swab
BSC85X1-B	Viral Transport Medium (with nasal&oral swab)	3mL/Tube	Nasal swabs&Oral swab
BSC85X1-C	Viral Transport Medium (with nasal&oral swab)	4mL/Tube	Nasal swabs&Oral swab

Saliva Collector CE

This product collects saliva or sputum samples through a sampling funnel and puts them in the sample preservation solution of the saliva collector. It is harmless to human body and the collection process is easy to accept without discomfort. This product contains ingredients that effectively inhibit DNase/RNase activity and can stably preserve viral nucleic acid in saliva samples for a long time without degradation, and ensure the integrity of viral nucleic acid in samples while inactivating the virus. . This product is simple and convenient to use, can be widely used in hospitals, research institutes and other places.

Product Features

Simple and painless

The collection process is simple and painless and the workload of medical staff is reduced

Widely uses

Can be widely used in hospitals, scientific research institutions of saliva sample collection and transportation

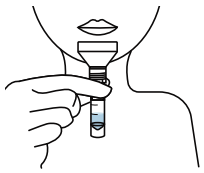
Stable and inactivation

Contains ingredients that effectively inhibit DNase/RNase activity and can stably preserve viral nucleic acid in saliva samples for a long time without degradation

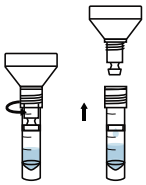
Medical material

The collector selects imported medical grade material, no heat source

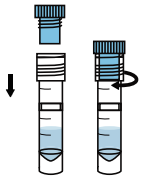
Usage



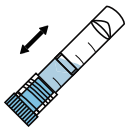
1 Collect saliva or sputum



2 Unscrew the funnel from the collection tube



3 Close the collection tube tightly



4 Shake for 5 seconds

Application Cases

The lentivirus containing SARS-CoV-2 gene was diluted with negative saliva to a 105 copy/mL positive saliva sample, then added into the Saliva Collector (BSC91) and stored at -80℃, 4℃ and 37℃ for 35 days. After nucleic acid extraction, PCR detection was performed to determine the nucleic acid stability of SARS-CoV-2 ORF1ab gene (FAM channel) and human β-Globin internal reference gene (CY5 channel) at different storage time and temperature according to the detected CT value.The results are as follows:

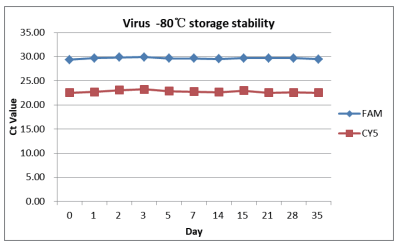


Figure 1 Virus -80℃ storage stability

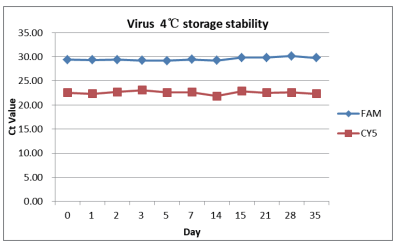


Figure 2 Virus 4℃ storage stability

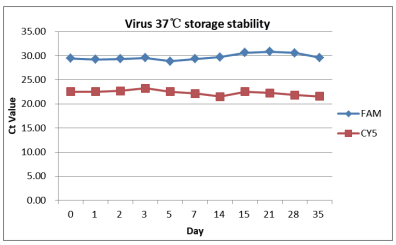


Figure 3 Virus 37℃ storage stability

Conclusion：Compared with the Z Company's saliva collector, the BSC91 were able to stably preserve viral nucleic acid in the sample and met the clinical requirements.

Cat. No.	Product	Package
BSC91X1-B	Saliva collector	2mL/Tube

Simply P Virus DNA/RNA Extraction Kit CE

Simply P Virus DNA/RNA Extraction Kit is a kit launched by Bioer for the customers' rapid extraction demand of virus nucleic acid. The operation of this kit is simple and fast, the whole process only need nine minutes. The extracted nucleic acid can be directly used in PCR, RT-PCR and other downstream experiments.

Product Features

Fast

The extraction process can be finished in 9min.

Simple extraction

Only four steps are used for the extraction.

Innovative

High sensitivity can be achieved without the protease K and Carrier RNA.

Low dependence

Metal baths (or water baths) and frozen centrifuges are not necessary.

Versatility

Suitable for animal tissues, cultured cells and other liquid samples (such as plasma, serum, ascites, cerebrospinal fluid, etc.)

Widely usage

Can be used in hospitals, inspection and quarantine, customs and other inspection institutions.

Good stability

Can be stored at room temperature for 24 months.

Application Cases

Case 1

Utilize the negative plasma to make the gradient dilution (102-106IU/mL) of the HBV-positive plasma samples (known concentration), extract the DNA with the Simply P Virus DNA/RNA Extraction Kit, and then test with the high sensitivity HBV DNA Real-time PCR detection kit. The results are as follows:

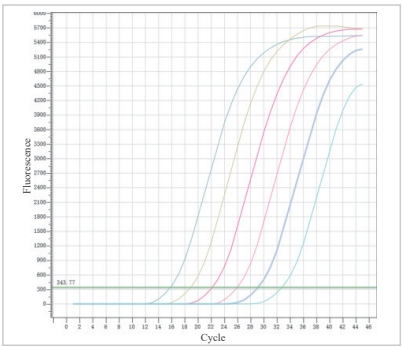


Figure-1

HBV (Unit：IU/ml)	Ct value
10^6	19.94
10^5	23.13
10^4	26.47
10^3	29.11
10^2	32.77
Negative reference	No Ct

Table -1

The result: Bioer Simply P Virus DNA/RNA Extraction Kit has high sensitivity, can purify the virus DNA of 100IU/mL from the plasma sample.

Case 2

Make the gradient dilution (10-10^5) of positive tissue homogenate sample of porcine epidemic diarrhea virus (PEDV) with PBS, then extract the virus RNA with this kit and test it with PEDV RNA Real-time RT-PCR detection kit of high sensitivity, the result is as following:

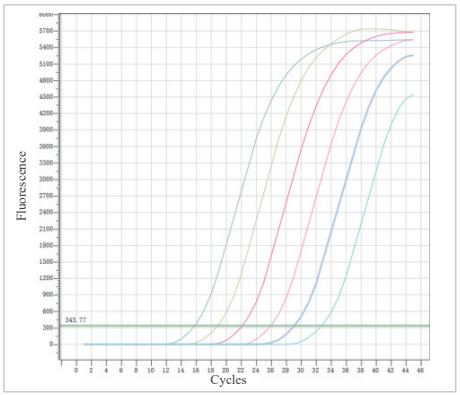


Figure-3

PEDV homogenate	Ct value
Tissue homogenate	16.78
10^{-1}	19.61
10^{-2}	22.95
10^{-3}	26.54
10^{-4}	29.40
10^{-5}	32.99
Negative reference	No Ct

Table -2

The result: Bioer Simply P Virus DNA/RNA Extraction Kit can obtain high quality RNA from the PEDV homogenate sample of different concentrations and the linearity is good. It shows that this kit has high sensitivity and strong stability.

Cat. No.	Product	Package	Sample Type
BSC67S1	Simply P Virus DNA/RNA Extraction Kit	50T	Animal and plant tissue homogenate supernatant, serum, plasma, ascites nd other fluid samples
BSC67M1	Simply P Virus DNA/RNA Extraction Kit	100T	
BSC67L1	Simply P Virus DNA/RNA Extraction Kit	200T	

Biospin Virus DNA/RNA Extraction Kit CE

Biospin Virus DNA/RNA Extraction Kit is a kit with special polymeric membrane as adsorption column membrane, which can adsorb the virus DNA/RNA selectively. The operation is simple and has wide application, high security, etc. It only takes 30mins for the whole experiment.

Product Features

Wide application

Suitable for the novel coronavirus, mycoplasma, chlamydia and bacterial pathogens causing respiratory disease.

Simple operation

The extraction can be finished in 30min, fast and effective.

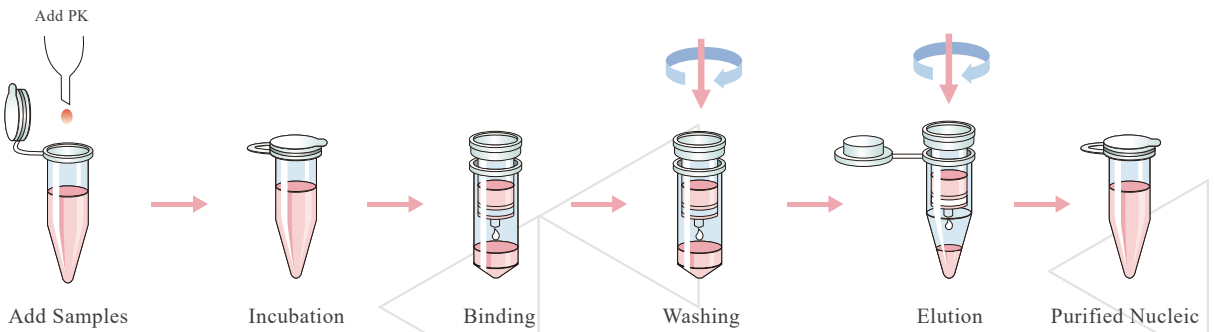
High sensitivity

The minimum limit of DNA extraction can be 10IU/mL, minimum limit of RNA extraction can be 100IU/mL.

High security

The reagents are non-toxic and harmless.

Usage



Application Cases

Case 1

Extract the tissue homogenate sample of porcine epidemic diarrhea virus (PEDV) after gradient dilution with PBS by three different brands of spin column nucleic acid extraction reagent, then test it by Real-time RT-PCR, the result is as following:

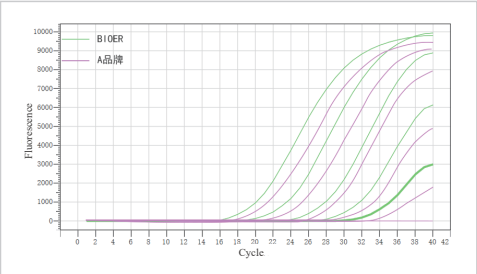


Figure-1

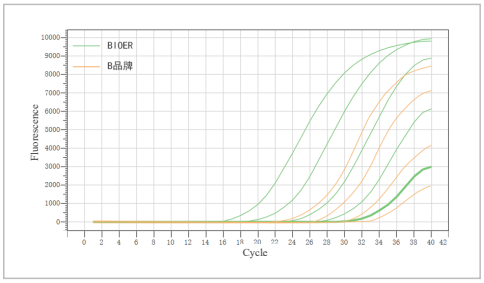


Figure-2

PEDV	Bioer Ct value	A Company Ct value	B Company Ct value
Tissue homogenate	19.95	21.57	26.06
10^{-1}	23.90	25.42	29.67
10^{-2}	27.99	28.69	33.10
10^{-3}	32.45	28.69	36.05
10^{-4}	35.78	37.11	No Ct
Negative reference	No Ct	No Ct	No Ct

Table -1

The result: Biospin Virus DNA/RNA Extraction Kit can extract the RNA efficiently and the performance is superior to other brands.

Case 2

Take known concentrations of HBV positive plasma sample and make gradient dilution (10-10^5 IU/mL) with HBV negative plasma. Extract the DNA with this kit and test it by HBV DNA Real-time PCR test kit of high sensitivity. The result is as following:

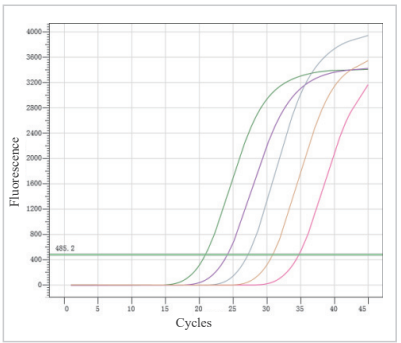


Figure-3

HBV (Unit:IU/ml)	Ct value
10^5	21.20
10^4	24.40
10^3	27.40
10^2	31.10
10	35.00
Negative reference	No Ct

Table -2

The result:Bioer Biospin Virus DNA/RNA Extraction Kit can extract the DNA from the virus of 10IU/mL and it shows the high sensitivity.

Cat. No.	Product	Package	Sample Type
BSC77S1	Biospin Virus DNA/RNA Extraction Kit	50T	Whole blood, plasma, serum, body fluids, animal and plant tissues, feces, swabs, alveolar lavage fluid
BSC77M1	Biospin Virus DNA/RNA Extraction Kit	100T	

Biospin Total RNA Extraction Kit II

Biospin Total RNA Extraction Kit II is suitable for the purification of high-quality total RNA from animal tissues, cultured cells, bacteria, feces, plants, fungi and other samples. The purified RNA can be directly used for Northern blot analysis, dot blot hybridization, in vitro translation, RNase protection analysis, RT-PCR, construction of cDNA library, etc.

Product Features

High purity

High yield and good purity.

Convenient

Fast and simple operation.

Strong versatility

Suitable for animals, bacteria, plants, fungi, feces, etc.

Wide applications

Suitable for a variety of downstream experiments.

Application Cases

Case 1

Extract the total RNA of 50mg mice lung, 20mg mice kidney and monolayer cultured cell with spin column total RNA extraction kits of three different brands, elute with 50μL. The extracted product was tested by ultra-micro UV spectrophotometer and agarose gel electrophoresis, the result was as following:

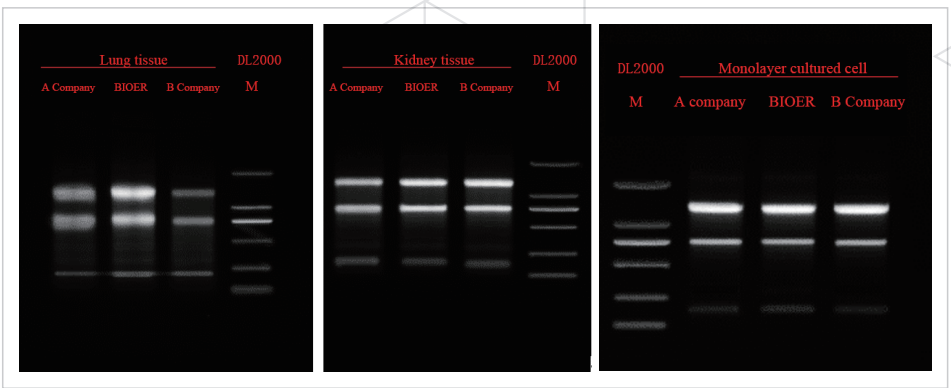


Figure-1 1% agarose gel electrophoresis graph

Brand	Lung tissue			Kidney tissue			Monolayer cell		
	Con. (ng/μL)	OD260/ OD280	OD260/ OD230	Con. (ng/μL)	OD260/ OD280	OD260/ OD230	Con. (ng/μL)	OD260/ OD280	OD260/ OD230
Bioer	1342.90	2.13	2.24	503.10	2.12	2.17	361.40	2.06	1.82
A Company	933.30	2.08	2.06	451.90	2.10	2.10	352.00	2.08	1.90
B Company	948.70	2.10	2.10	513.60	2.08	2.18	356.30	2.06	1.72

Table -1 The concentration and purity measured by ultra-micro UV spectrophotometer

Result: The performance of Bioer Biospin Total RNA Extraction Kit II is superior to other brand and the operation is simple.

Case 2

Take two kinds of plant leaves sample (Radix Ophiopogonis leaf, Buxus leaf), take each 50mg after grinding by liquid nitrogen, extract the total RNA with spin column total RNA purification kits of three different brands, elute with 100μL elution buffer. The extracted product was tested by ultra-micro UV spectrophotometer and agarose gel electrophoresis. The result was as following:

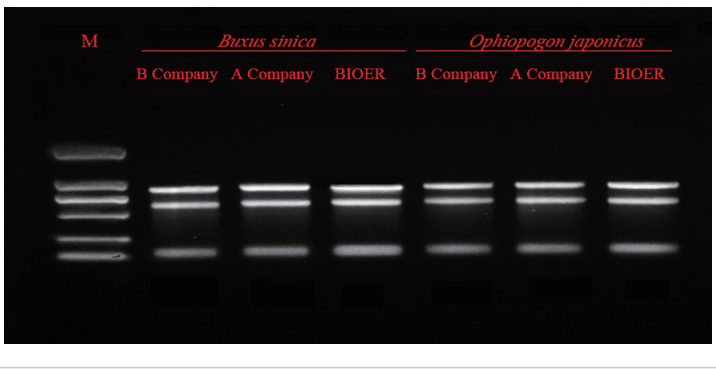


Figure-2 1% agarose gel electrophoresis graph

Sample	Bioer			A Company			B Company		
	Con. (ng/μL)	OD260/ OD280	OD260/ OD230	Con. (ng/μL)	OD260/ OD280	OD260/ OD230	Con. (ng/μL)	OD260/ OD280	OD260/ OD230
Buxus	228.90	2.12	1.60	204.30	2.00	1.03	337.50	2.15	2.38
Radix Ophiopogonis	301.50	2.12	1.26	251.80	2.13	2.15	308.00	2.12	1.51

Table -2 The concentration and purity measured by ultra-micro UV spectrophotometer

Result：Bioer Biospin Total RNA Extraction Kit II can be used for extracting the total RNA of plants(not polysaccharide, polyphenol plants).

Cat. No.	Product	Package	Sample Type
BSC80S1	Biospin Total RNA Extraction Kit II	50T	Tissue, fluid samples, white blood cells, culture cells
BSC80M1	Biospin Total RNA Extraction Kit II	100T	Tissue, fluid samples, white blood cells, culture cells

MagaBio Plus Maxi Whole Blood Genomic DNA Purifcation Kit

The kit provides a very simple, fast and cost effective technique to isolate high quality DNA. Using one simple protocol, high yield of purified DNA can be isolated from whole blood. MagaBio sample processing is based on proprietary magnetizable particles--MagaBio Reagent. The pure DNA can be applied extensively in PCR, Real-time PCR, sequencing, Southern hybridization, mutant analysis, SNP and the others.

Product Features

Simple Operation

The sample can be directly added to the pre-packed reagent strips for extraction and purification, which is easy to operate.

High Safety

Safe, non-toxic, no toxic reagents.

Fast and Efficient

16 samples can be purified at the same time in about 50 minutes.

Compatiable Platform

Bioer NPA-16H

Application Cases

Four 2.5 mL of fresh anticoagulated human whole blood samples were taken to be tested, and the purification results were analyzed by NanoDrop, Qubit and Agilent 4150 assays. The test results are as follows:

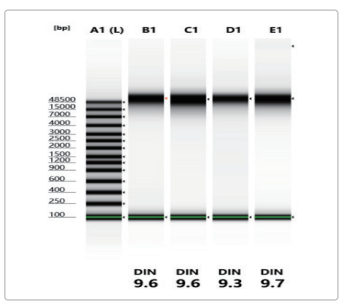


Figure 1 Agilent 4150 detection results of fresh whole blood sample extraction products

Sample ID	NanoDrop (ng/μl)	NanoDrop 260/280	NanoDrop 260/230	Qubit (ng/μl)	Content (ug)
B1	262.4	1.88	1.99	194	58.2
C1	338.3	1.88	1.98	268	80.4
D1	213.5	1.91	2.06	162	48.6
E1	296.1	1.87	1.82	233	69.9

Table-1 NanoDrop and Qubit detection results of fresh whole blood sample extraction products

Conclusion: One of the genome integrity indicators detected by Agilent 4150 is the DIN value. The closer the value is to 10, the higher the genome integrity. From the above results, it can be seen that for fresh whole blood samples, this kit can extract relatively complete genome fragments with higher concentration and better purity.

Cat. No.	Product	Package	Notes
BSC90T1S	MagaBio Plus Maxi Whole Blood Genomic DNA Purifcation Kit (Pre-packaged)	16T, Strip	stored at 2~8 C
BSC90S1	MagaBio Plus Maxi Whole Blood Genomic DNA Purifcation Kit	10T, Bottle	
BSC90M1	MagaBio Plus Maxi Whole Blood Genomic DNA Purifcation Kit	25T, Bottle	

MagaBio Maxi Plasma Circulating DNA Purification Kit

This kit is suitable for extraction circulating free DNA fragments from various blood collection tubes . The extracted cfDNA has high yield and good quality, and can remove protein, lipid and other inhibitory impurities to the greatest extent. It can be directly used in various downstream operations, including fluorescent quantitative PCR, gene amplification (such as non-invasive prenatal diagnosis, tumor detection), library construction, etc. The kit adopts a unique hybridization solution formula and magnetic bead separation and inflation technology, which has stronger ability to bind nucleic acids, simple operation steps and short time.

Product Features

Simple Operation

The processed plasma can be directly added to the pre-packed plate for extraction and purification, which is easy to operate.

High Safety

Safe, non-toxic, no toxic reagents.

Fast and Efficient

with Bioer NPA-16H, 16 samples can be purified in 1 hours.

Compatiable Platform

Bioer NPA-16H

Application Cases

Take 3 tubes of whole blood samples from liver cancer patients collected in Streck Cell-Free blood collection tubes, separate the plasma, then mix all the plasma samples together, take 1mL, 3ml, and 5mL of them for extraction and purification of free DNA respectively, and products were tested by Invitrogen Qubit 4 fluorometer and Agilent 4150 TapeStation capillary electrophoresis respectively. The test results are as follows:

Plasma Sample Volume	Qubit(ng/μL)	Concentration [pg/μL]
1mL	0.542	274
3mL	1.04	762
5mL	1.53	1240

Table-1 Invitrogen Qubit 4 Fluorometer detection results

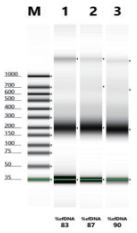


Figure 1 Capillary electrophoresis images of cfDNA extraction products from 1, 3, 5 mL plasma samples of patients with liver cancer

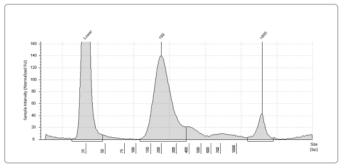


Figure 2 Capillary electrophoresis fragment distribution of cfDNA extraction products from 1mL liver cancer patients' plasma samples

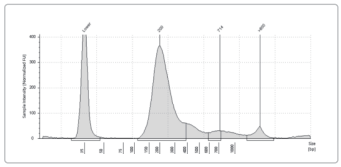


Figure 3 Capillary electrophoresis fragment distribution of cfDNA extraction products from 3mL liver cancer patients' plasma samples

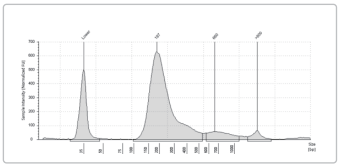


Figure 3 Capillary electrophoresis fragment distribution of cfDNA extraction products from 5mL liver cancer patients' plasma samples

Cat. No.	Product	Package	Notes
BSC95T1S	MagaBio Maxi Plasma Circulating DNA Purification Kit (Pre-packaged)	16T, Strip	Stored at 2~8℃, except Carrier RNA should be stored at -20℃
BSC95S1	MagaBio Maxi Plasma Circulating DNA Purification Kit	10T, Bottle	
BSC95M1	MagaBio Maxi Plasma Circulating DNA Purification Kit	25T, Bottle	

MagaBio Virus DNA/RNA Maxi Purification Kit

This kit is suitable for extracting and purifying viral nucleic acid from samples such as swabs, tissues, feces, blood, serum, plasma and body fluids. Non-toxic impurity contamination. The product can be directly used in various downstream operations, including nucleic acid quantitative PCR, gene sequencing, virus typing detection.

Product Features

Large sample volume

up to 3 ml

Fast and efficient

Purify 16 samples in 30 minutes

Simple operation

The processed samples can be directly added to the pre-packaged plate for extraction and purification.

High Safety

Safe, non-toxic, no toxic reagents.

Application Cases

Case 1: The bovine serum was used to serially dilute 2×105 copies of the HCV national standard reference substance, and repeated twice, the extracted product was subjected to fluorescent quantitative PCR. The results are shown in Figure 1 and Table 1.

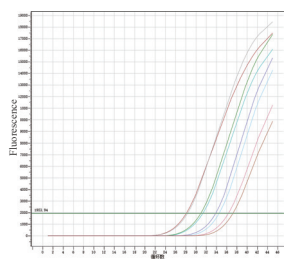


Figure 1

HCV Concentration	Ct Value	
2×102	28.34	28.59
2×103	31.6	31.21
2×104	34.79	34.14
2×105	36.58	37.47

Table-1

Conclusion: The results show that the Ct value of the corresponding channel of each sample is perfectly consistent with the amplification curve and is a typical "S" curve, indicating that the Magabio virus DNA/RNA Maxi Purification Kit has high precision.

Case 2: The African swine fever (ASFV) sample with a fluorescent quantitative Ct value of 15.66 was 10-fold diluted with bovine serum, repeated twice, and the extracted product was subjected to fluorescent quantitative PCR. The results are shown in Figure 2 and Table 2.

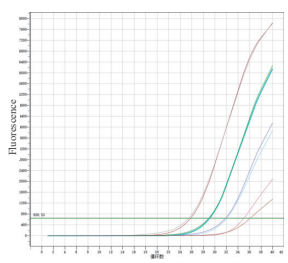


Figure 2

ASFV Concentration	Ct Value	
E3	26.05	25.71
E4	29.35	29.16
E5	32.3	32.09
E6	35.21	36.2

Table-2

Conclusion: The Ct value of the corresponding channel of each sample is perfectly consistent with the amplification curve and is a typical "S" curve, indicating that the Magabio virus DNA/RNA Maxi Purification Kit has high precision and good stability.

Cat. No.	Product	Package	Notes
BSC98T1S	MagaBio Virus DNA/RNA Maxi Purification Kit (Pre-packaged)	16T, Strip	2 C ~25 C
BSC98S1	MagaBio Virus DNA/RNA Maxi Purification Kit	10T, Bottle	
BSC98M1	MagaBio Virus DNA/RNA Maxi Purification Kit	25T, Bottle	

MagaBio FFPE Tissue Genomic DNA Purification Kit CE

The kit is for extracting high-quality DNA from Paraffin-embedded tissue or formalin-fixed tissue. Using nontoxic dewaxing solution and special lysis buffer formula, it will quickly release and extract sample DNA in good integrity and high purity by high-efficient bonding purification system. The pure DNA can be used for PCR, Real-time-PCR、SPN、STR and other following applications.

The kit has a standardized sample processing, magnetic adsorption, washing and elution procedures, and is able to extract 32 samples at one time with Bioer nucleic acid purification system.

Specifications

Item	Description
Max. Sample volume	Paraffin sections: 10μm thick (about 8 pieces in size of 0.5cm×0.5cm) Paraffin block: sample tissue 30mg
DNA Purity	OD_{260}/OD_{280}: 1.7~2.0
Accessories	Magnetic rack (Optional)
Support Equipment	GenePure series Nucleic Acid Purification System
Package	50T and 100T

Product Features

High safety

The product uses non-toxic deparaffinization solution and does not contain xylene and other organic reagents, safe and non-toxic.

Easy to use

The treated plasma can be directly added into the 96 deep-well plate for purification and the operation is simple.

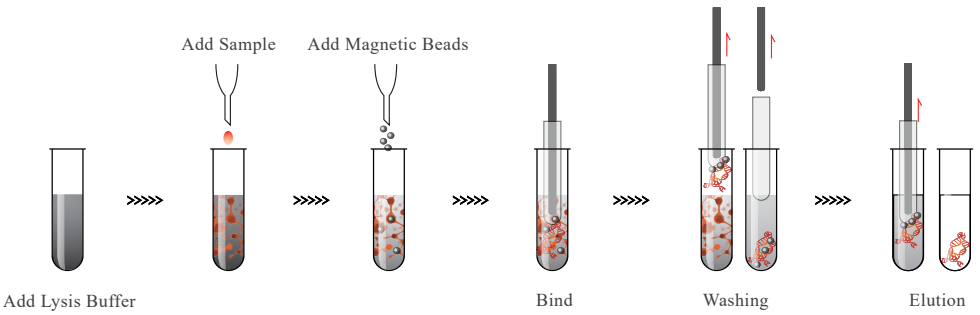
Fast and efficient

96 samples of genomic DNA can be simultaneously purified within 40 minutes.

High yield of genomic DNA

Unique lysis solution allows rapid release of high purity DNA from samples.

Usage



Application Cases

FFPE tissue samples from 4 tumor patients were collected, and 2 sections were taken from each sample. Genomic DNA was purified with the MagaBio FFPE Tissue Genomic DNA Extraction Kit, and the concentration and purity of extracted products were detected by NanoDrop test. The test results are as follows:

Sample ID	Nucleic Acid(ng/μL)	OD260/280	OD 260/230
1	30.5	2.00	1.82
2	42.8	2.02	1.91
3	68.1	1.89	1.52
4	87.8	1.94	1.81

Table 1 The concentration and purity of paraffin sections from 4 tumors by NanoDrop test

The extracted products were tested with EGFR gene mutation detection kit (Real-time PCR method) and the detection results were as follows:

Samples	1	2	3	4	Positive Control	Negative Control
Result	L858R mutation	L858R mutation	Negative	G719X mutation	Clear	Clear

Table 2 FAM detection results of mutated loci genesv

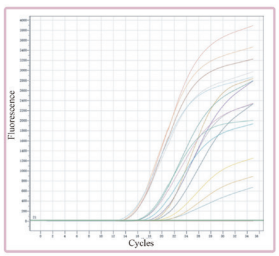


Figure 1 FAM detection results of mutated loci genes

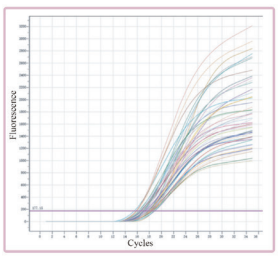


Figure 2 Human internal reference test result of HEX channel

Results: The experimental results show that the product can stably extract DNA from 1-4 FFPE tissue samples, and the purified product can be directly used in downstream test. It is consistent with the clinical diagnosis result and proves that the product has good performance.

Ordering Information

Cat. No.	Product	Package	Notes
BSC31T1S	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	16T, Strip, NPA-32P, NPA-32E	2 C -25 C
BSC31S1S	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	32T, Strip, NPA-32P, NPA-32E	
BSC31M1S	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	48T, Strip, NPA-96, NPA-96T, NPA-96E	
BSC31L1S	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	96T, Strip, NPA-96, NPA-96T, NPA-96E	
BSC31T1E	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	16T, Plate, NPA-32P, NPA-32E	
BSC31S1E	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	32T, Plate, NPA-32P, NPA-32E	
BSC31M1E	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	48T, Plate, NPA-96, NPA-96T, NPA-96E	
BSC31L1E	MagaBio FFPE Tissue Genomic DNA Purification Kit BSC31 (Pre-packaged)	96T, Plate, NPA-96, NPA-96T, NPA-96E	
BSC31S1	MagaBio FFPE Tissue Genomic DNA Purification Kit	50T, Bottle	
BSC31M1	MagaBio FFPE Tissue Genomic DNA Purification Kit	100T, Bottle	

MagaBio Bacterium DNA Purification Kit III

MagaBio Bacterium DNA Purification Kit III is used for extraction and purification of bacterium DNA. The DNA purified by this kit is suitable for various downstream molecular biology applications such as qPCR, gene sequencing, and ncleic acid mass spectrometry.

This kit adopts unique lysis buffer and magnetic bead separation and purification technology, which has increase the binding ability of nucleic acid and short the operation time. It can be used with automated nucleic acid purification instrument.

Product Features

Safety and environmental protectionv

Reagent products do not contain toxic ingredients

Easy to use

After water bath lysis, bacterial samples can be directly added into the pre-packaged plate for purification, suitable for automatic operation.

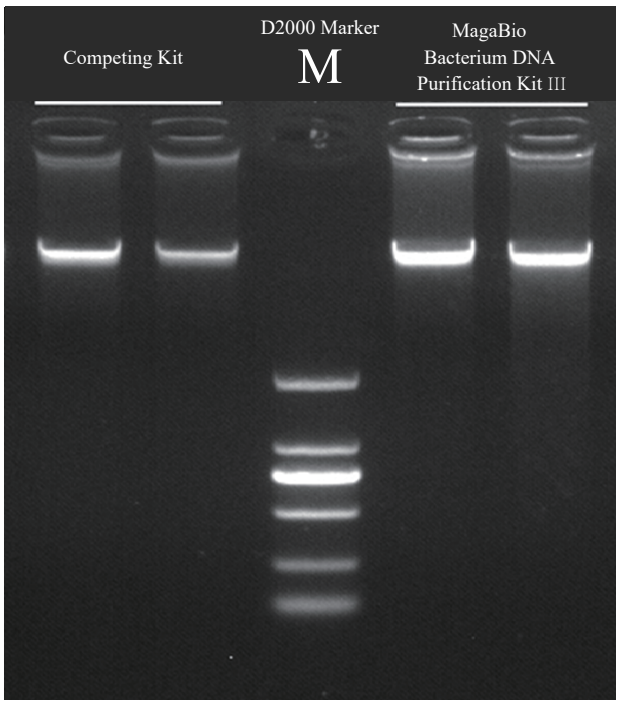
Rapid extraction

For G+ bacteria that are particularly difficult to lyse， the test can be finished within 1.5h.

Sample size range

The recommended specimen volume is up to 2×109 bacteria.

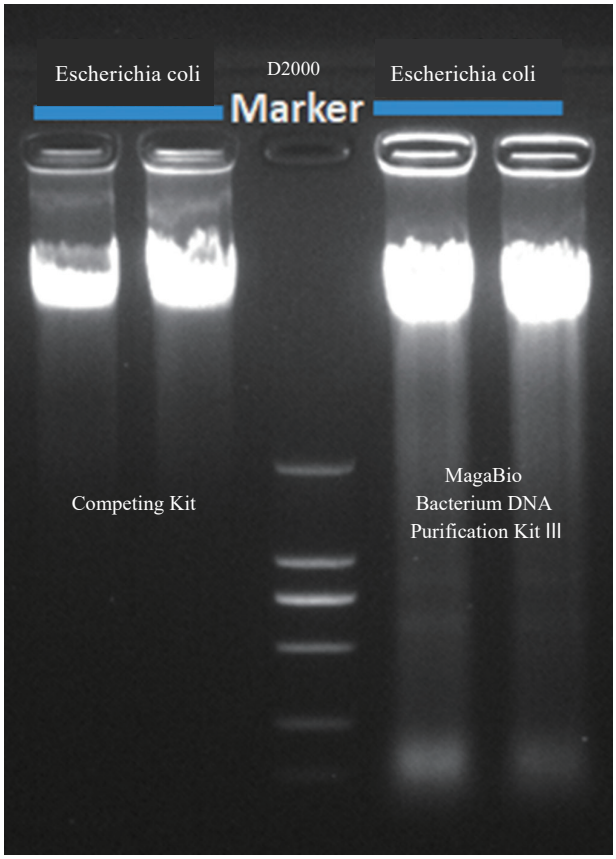
Application Cases



Case 1

Gram-positive bacteria-Bacillus BC1 was collected in 1ml culture solution, and nucleic acid was extracted with this kit and competing kit for comparative test. The test data is as follows：

	MagaBio Bacterium DNA Purification Kit III		Competing Kit	
Sample ID	Nucleic Acid (ng/μL)	260/280	Nucleic Acid (ng/μL)	260/280
Bacillus BC1	244.3	2.15	136.9	1.72
	231.9	2.10	131.5	1.70



Case 2

The test data of this kit compared with other competing kits for the extraction of Gram positive bacteria （Escherichia coli） collected in 1ml culture solution were as follows:

	MagaBio Bacterium DNA Purification Kit III		Competing Kit	
Sample ID	Nucleic Acid (ng/μL)	260/280	Nucleic Acid (ng/μL)	260/280
Bacillus BC1	244.3	2.15	136.9	1.72
	231.9	2.10	131.5	1.70

The test data of this kit compared with other competing kits for the extraction of Gram positive bacteria （Escherichia coli） collected in 1ml culture solution were as follows:

Ordering Information

Cat. No.	Product	Package	Notes
BSC96S1E	MagaBio Bacterium DNA Purification Kit III	32T	Storage condition: 2℃-25℃
BSC96S1B	MagaBio Bacterium DNA Purification Kit III	50T	
BSC96M1B	MagaBio Bacterium DNA Purification Kit III	100T	
BSC96M1E	MagaBio Bacterium DNA Purification Kit III	48T	
BSC96L1E	MagaBio Bacterium DNA Purification Kit III	96 T	

MagaBio Fecal pathogens DNA/RNA Purification Kit CE

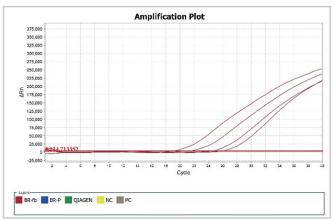
This kit uses unique lysis buffer and grinding tube (including special grinding beads) to simultaneously isolate DNA/RNA from pathogens by magnetic bead. The magnetic bead particles that bind the nucleic acid are captured by the magnetic material, and the contaminants are removed through multiple washing processes. The high-quality nucleic acid purified by this kit can be directly used to vario us downstream molecular test, such as qPCR / RT-PCR, SNP, NGS, etc.

Product Features

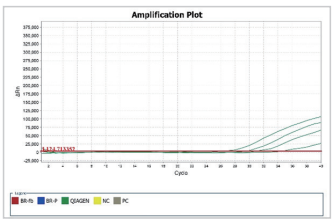
- Purify high-quality nucleic acids from pathogens in fecal samples.
- Rapid and efficient purification of pathogen nucleic acid.
- Transportation and storage are very convenient.
- High safety, no phenol, chloroform and other toxic reagents.
- Stable and reliable, it can purify unknown pathogen samples.

Application Cases

Comparing the extraction efficiency of Chikungunya virus (RNA virus), Adenovirus (DNA virus) and Salmonella from simulated stool samples between the Bioer reagent and Q company reagent, and qPCR detection was performed simultaneously. The results showed that the purification efficiency of the Bioer product was significantly higher than that of the Q company reagent.

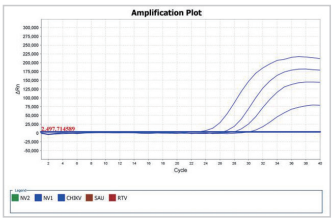


Salmonella-Bioer

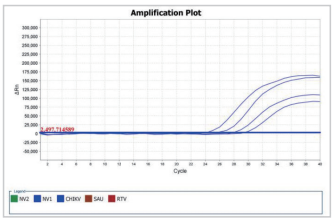


Salmonella-Q company

Name of samples	Salmonella	
	Bioe(r CtValue)	Qcompany(CtValue)
FY100	21.07	26.79
FY1	22.98	28.49
FY2	24.86	31.16
FY3	25.51	31.61



Chikungunya virus-Bioer



Chikungunya virus-Q Company

Name of samples	Staphylococcus aureus	
	Bioe(r CtValue)	Qcompany(CtValue)
FY100	22.60	25.67
FY1	25.02	27.82
FY2	26.53	29.94
FY3	28.86	32.31

Ordering Information

Cat. No.	Product	Package	Notes
BSC78S1	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78	50T, Bottle	2℃-25℃
BSC78M1	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78	100T, Bottle	
BSC78T1S	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	16T, Strip, NPA-32P, NPA-32E	
BSC78S1S	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	32T, Strip, NPA-32P, NPA-32E	
BSC78T1E	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	16T, Plate, NPA-32P, NPA-32E	
BSC78S1E	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	32T, Plate, NPA-32P, NPA-32E	
BSC78M1E	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	48T, Plate, NPA-96, NPA-96T, NPA-96E	
BSC78L1E	MagaBio Fecal Pathogens DNA/RNA Purification Kit BSC78 (Pre-packaged)	96T, Plate, NPA-96, NPA-96T, NPA-96E	

MagaBio plus General Genomic DNA Purification Kit II CE

This kit is designed for rapid and reliable isolation of high-quality genomic DNA from blood, tissue, saliva, oral swabs, cultured cells, and dry blood spots. This system provides a fast and convenient method to isolated DNA from a variety of samples. High-quality DNA is suitable for direct use in most downstream applications.

Product Features

Wide applications

It can extract whole blood (fresh anticoagulated whole blood, frozen blood, bone marrow blood), saliva, oral swabs, animal tissues, dried blood spots and other samples.

Rapid extraction

Fast, efficient, and high-throughput extraction of high-quality genomic DNA.

Convenient

Different samples can be extracted on the instrument at the same time using the same procedure.

Wide applications

The purified DNA can be used directly in downstream experiments.

Application Cases

Case 1

Utilize this kit to extract DNA from samples of dried blood spots, tissues, whole blood and saliva. The extracted products are detected by ultra-micro UV spectrophotometer and agarose gel electrophoresis. The results are as follows:

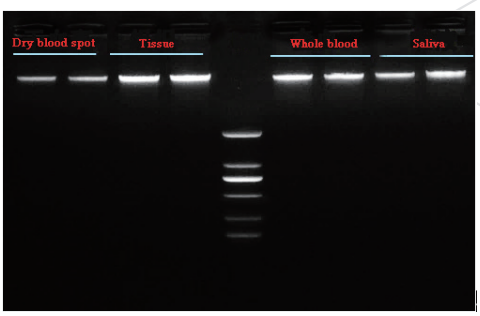


Figure-1 1% agarose gel electrophoresis graph

Samples	NanoDrop Con.(ng/μL)	OD260/ OD280	OD260/ OD230	Qubit Con.(ng/μL)	Nano/ Qubit
Dry blood spots 3mm×8	27.3	1.84	1.43	20.90	1.31
Dry blood spots 3mm×8	24.2	1.86	1.43	17.80	1.36
30mg Kidney tissue	262.1	1.88	2.09	263.00	1.00
30mg Kidney tissue	250.5	1.88	2.02	252.00	0.99
250μL Anticoagulant whole blood	226.8	1.89	2.01	193.4	1.17
250μL Anticoagulant whole blood	197.3	1.92	2.12	172.4	1.14
250μL Saliva	123.1	1.83	1.99	92.00	1.34
250μL Saliva	241.7	1.81	2.21	204.00	1.18

Table-1 Result of ultra-micro UV spectrophotometer

Case 2

This kit was used to extract DNA from samples of human bone marrow blood, and the extracted products were detected by ultra-micro UV spectrophotometer. The results are as follows:

Samples	NanoDrop Con.(ng/μL)	OD260/ OD280	OD260/ OD230	Qubit Con.(ng/μL)	Nano/ Qubit
250μL Bone marrow blood-1	1555.60	1.89	2.31	1056.00	1.47
250μL Bone marrow blood-2	1624.20	1.89	2.32	1052.00	1.54
250μL Bone marrow blood-3	1308.10	1.91	2.34	1143.00	1.14
250μL Bone marrow blood-4	1580.00	1.89	2.30	884.00	1.79
250μL Bone marrow blood-5	1906.80	1.88	2.14	668.00	2.85
250μL Bone marrow blood-6	1419.20	1.88	2.29	607.50	2.34

Table-2

The results showed that MagaBio plus General Genomic DNA Purification Kit II can efficiently extract genomic DNA from samples of human bone marrow blood, and the isolated DNA has high concentration, good purity and complete fragments.

Conclusion: MagaBio plus General Genomic DNA Purification Kit II could purify genomic DNA from various samples, and the isolated nucleic acid has high yield and purity. The detection results of NanoDrop and Qubit are very close, indicating that the integrity of the purified genomic DNA is very good. To sum up, MagaBio plus General Genomic DNA Purification Kit II is a nucleic acid purification kit with excellent performance, wide application, high efficiency and stability.

Cat. No.	Product	Package	Notes
BSC74S1	MagaBio plus General Genomic DNA Purification Kit II	50T	Transportation at 25 ℃, storage at 2-8 ℃
BSC74M1	MagaBio plus General Genomic DNA Purification Kit II	100T	
BSC74S1E	MagaBio plus General Genomic DNA Purification Kit II (Pre-packaged plate)	32T	
BSC74L1E	MagaBio plus General Genomic DNA Purification Kit II (Pre-packaged plate)	96T	

MagaBio Plasma Circulating DNA Purification Kit

This kit is suitable for the purification of free DNA (Circulating free DNA, cfDNA) from plasma, serum, cell-free body fluids and other samples. The unique purification system design ensures that it can remove impurities such as proteins and lipids to the maximum extent. The isolated cfDNA is of high quality and can be widely used in downstream experiments.

图-2

Product Features

Wide range of applications

Gene sequencing (such as non-invasive prenatal genetic testing, tumor detection), library construction, etc.

Simple operation, stable and precise performance

It can effectively enrich and purify high-quality

Automatic extraction

Fast and uniform, high-throughput

Simple operation

Simple operation, stable performance

Application Cases

Case 1

Utilize MagaBio Plasma Circulating DNA Purification Kit and a similar reagent of brand B on the market to extract circulating free DNA (containing 10μL 50bp DNA Marker) in 300μL human serum. The extracted product was detected by 1% agarose gel electrophoresis. Results are as follows:

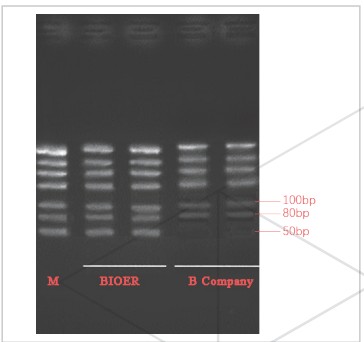


Figure-1

The picture of electrophoresis shows that MagaBio Plasma Circulating DNA Purification Kit can extract fragments of 50bp, and the band is brighter, and the repeatability is great; the product of brand B can only see the light fragments of 80bp. This indicates that the MagaBio Plasma Circulating DNA Purification Kit has higher extraction efficiency for small fragments of cfDNA.

Case 2

Utilize MagaBio Plasma Circulating DNA Purification Kit to purify cfDNA from 300μL of hyperlipidemic maternal plasma, and then do detection by Real-time PCR, the results are as follows:

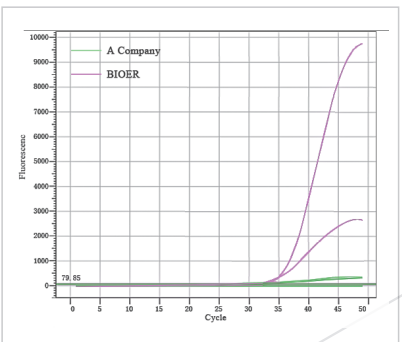


Figure-2

Sample		Ct Value
Bioer	4μLcfDNA	34.11
	3μLcfDNA	34.76
	Negative	No Ct
A Company	4μLcfDNA	37.69
	3μLcfDNA	No Ct Value

Table-1

Real-time PCR results show that the efficiency of using MagaBio Plasma Circulating DNA Purification Kit to extract cfDNA in plasma of pregnant women with high blood lipid is better than similar products of A company in the market.

Cat. No	Product	Package	Notes
BSC40S1	MagaBio Plasma Circulating DNA Purification Kit	50T	Stored at 2℃-8℃ (Carrier RNA was stored at -20℃)
BSC40M1	MagaBio Plasma Circulating DNA Purification Kit	100T	
BSC40L1F	MagaBio Plasma Circulating DNA Purification Kit(Pre-packaged plate)	96T	
BSC40S1C	MagaBio Plasma Circulating DNA Purification Kit(Pre-packaged plate)	32T	
BSC40S1E	MagaBio Plasma Circulating DNA Purification Kit(Pre-packaged plate)	32T	
BSC40T1E	MagaBio Plasma Circulating DNA Purification Kit(Pre-packaged plate)	16T	

MagaBio plus Virus RNA Extraction Kit II CE

This kit is suitable for the extraction of viral RNA from serum, plasma, tissue, swab (after sampling), stool and body fluid samples. With the COVID-19 test for the most commonly used nasopharyngeal swab samples, this product can finally complete the viral RNA extraction process in 8 minutes after continuous product performance optimization.

Product Features

Rapid extraction

Viral RNA extraction was completed in 8min

Easy to use

No need to add protease K, convenient and fas

High sensitivity

Sensitivity up to 50 IU/mL

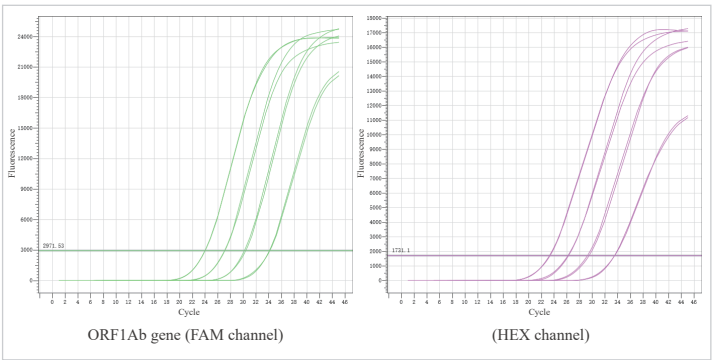
Good stability

Stable performance, storage at 2-25℃

Application Cases

Case 1

Pseudovirus containing ORF1Ab gene (FAM channel) and N genes (HEX channel) of SARS-CoV-2 were extracted by Magabio Plus Virus RNA Purification Kit II and diluted according to designed gradient to detect. The results were shown in Figure 1 and Table 1.



ORF1Ab gene (FAM channel) (HEX channel)

Figure-1

Virus concentration	ORF1Ab gene (FAM channel) (Ct Value)	N genes (HEX channel) (Ct Value)
10^5 copies/mL	23.96	23.18
	23.92	23.05
10^4 copies/mL	27.13	26.35
	27.17	26.23
10^3 copies/mL	30.23	29.31
	30.47	29.57
500 copies/mL	33.15	33.79
	33.82	33.09
Negative Control	-	-

Table -1

Result：The distance between each amplification curve of FAM and HEX channels was well-distributed, and the CT value of the corresponding channel of each sample was perfectly consistent with the amplification curve and was a typical "S" curve, indicating that the Magabio Plus Virus RNA Purification Kit II has high precision and high purification rate.

Case 2

HCV samples extracted from Magabio Plus Virus RNA Purification Kit II were detected by HCV RT-PCR Fluorescence Quantitative Diagnostic Kit, and the results were shown in Figure 2 and Table 2.

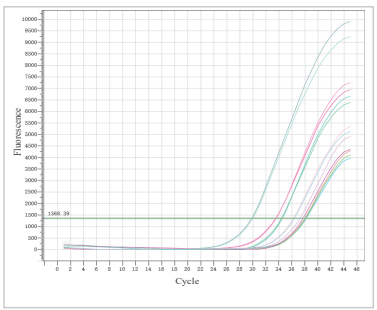


Figure-2

HCV Virus Concentration	Ct Value		Detection Rate
10^4 IU/mL	29.77	30.33	100%
10^3 IU/mL	33.48	33.54	100%
500 IU/mL	34.18	33.67	100%
100 IU/mL	36.20	36.35	100%
50 IU/mL	37.94	38.06	100%
	37.68	37.22	
	38.42	38.22	
Negative Control	-	-	-

Table -2

The result：Bioer Biospin Virus DNA/RNA Extraction Kit can extract the DNA from the virus of 10IU/mL and it shows the high sensitivity.

Cat. No.	Product	Package	Notes
BSC87S1B	MagaBio Plus virus RNA Purification kit II	50T	Storage condition: 2℃-25℃
BSC87S1E	MagaBio Plus virus RNA Purification kit II	32T	Storage condition: 2℃-25℃
BSC87M1E	MagaBio Plus virus RNA Purification kit II	48T	Storage condition: 2℃-25℃
BSC87L1E	MagaBio Plus virus RNA Purification kit II	96T	Storage condition: 2℃-25℃
BSC87S1S	MagaBio Plus virus RNA Purification kit II	32T	Storage condition: 2℃-25℃
BSC87M1S	MagaBio Plus virus RNA Purification kit II	48T	Storage condition: 2℃-25℃
BSC87L1S	MagaBio Plus virus RNA Purification kit II	96T	Storage condition: 2℃-25℃

MagaBio plus Virus DNA/RNA Purification Kit II CE

This reagent is specially used to extract high-purity viral DNA / RNA from sputum, saliva, alveolar lavage fluid, (nasopharyngeal) swabs, cultured cells and other body fluid samples. This kit uses a unique lysis system to efficiently and rapidly lyse viruses, releasing DNA or RNA, and combining with novel nanoscale magnetic bead to purify nucleic acids efficiently. This kit has the characteristics of good stability, simple operation and high sensitivity. The whole extraction process only takes 35 minutes. The purified nucleic acid can be directly used for downstream detection such as NGS, qPCR and so on.

Product Features

Rapid and Reliable

Fast procedures and easy to use

High Sensitivity

DNA: 5 IU/mL, RNA: 50 IU/mL

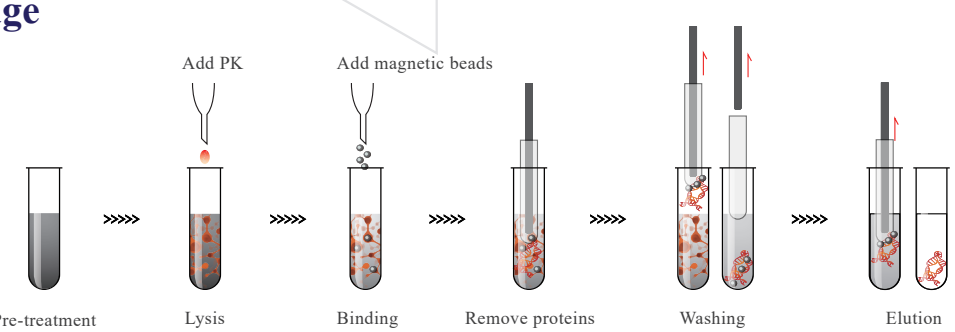
High Efficiency

≥ 95% of the nucleic acid can be combined

Versatile

Nucleic acid of various virus, e.g. SARS-CoV-2, Hepatitis, etc. in different samples, such as Serum, Plasma, Whole blood, Swabs, Saliva, Body fluid, Tissue, Feces, BALF, etc. for a broad range of down stream applications.

Usage



If you use the pre-loading plate, only need to add the samples and PK into the plate，and run the program in the instrument. It could ensure the repeatability of multiple experiments.

Application Case

Case 1

Plasma samples of HBV patients were diluted by negative plasma samples (gradient：10-10^5). DNA was extracted using MagaBio plus Virus DNA/RNA Purification Kit II and detected using a highly sensitive HBV DNA real-time PCR assay kit. Results Figure 1, Figure 2, Table 1 and Table 2:

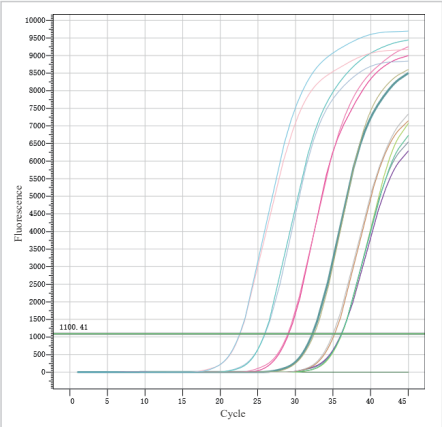


Figure-1

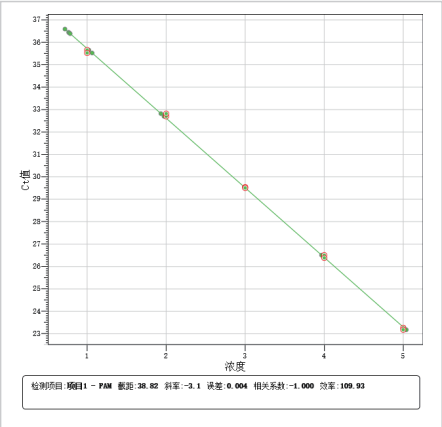


Figure-2

Concentration（IU/mL）	Ct Value
E+05	22.70
E+05	22.75
E+04	25.99
E+04	26.06
E+03	29.07
E+03	29.21
E+02	32.61
E+02	32.36

Table -1

Concentration（IU/mL）	Ct Value
E+01	35.09
E+01	35.31
5	36.19
5	36.28
5	36.22
5	36.25
Negative control	No Ct
Negative control	No Ct

Table -2

The results showed that MagaBio plus Virus DNA/RNA Purification Kit II could extract DNA from the virus at a concentration of 5 IU/mL, which confirmed its high sensitivity.

Case 2

RNA was extracted using MagaBio plus Virus DNA/RNA Purification Kit II after gradient dilution (50-5×10^5 IU/mL) of negative plasma samples from HCV positive patients at known concentrations. The highly sensitive HCV RNA real-time RT-PCR detection kit was used for detection, and the results were shown in Figure 3 and Table 3:

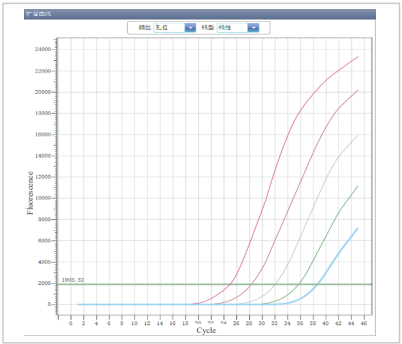


Figure-3

Concentration (IU/mL)	Ct Value
5E+05	25.10
5E+04	28.52
5E+03	32.30
5E+02	35.97
5E+01	38.89
Negative control	NA

Table -3

The results showed that MagaBio plus Virus DNA/RNA Purification Kit II could extract 50IU/mL RNA virus samples, indicating that the product had high sensitivity.

Case 3

Three different brands of nucleic acid purification reagents were used to extract nucleic acids from ASFV positive pig blood samples, and real-time PCR detection was performed. The comparison results of Ct values were shown in Table 4:

Sample No.	BSC71	Brand A	Brand B
1	20.06	34.20	23.40
2	17.58	20.88	21.88
3	29.12	30.00	32.87
4	36.40	36.68	34.71
5	31.57	32.01	31.67
6	35.38	-	-
7	32.95	34.33	32.61
8	20.38	32.10	22.11
9	33.75	33.56	-
10	29.79	29.89	36.21
11	26.77	26.30	30.29
12	22.89	23.14	27.81

Table -4

The results showed that the performance of MagaBio plus Virus DNA/RNA Purification Kit II was significantly better than competing reagents.

Cat. No.	Product	Package	Sample Type
BSC71S1B	MagaBio plus Virus DNA/RNA Purification Kit II	50T	Tissue, stool, whole blood, serum, plasma and body fluid samples
BSC71M1B	MagaBio plus Virus DNA/RNA Purification Kit II	100T	
BSC71S1E	MagaBio plus Virus DNA/RNA Purification Kit II (Pre-packaged plate)	32T	
BSC71L1E	MagaBio plus Virus DNA/RNA Purification Kit II (Pre-packaged plate)	96T	
BSC71T1S	MagaBio plus Virus DNA/RNA Purification Kit II (Pre-packaged strip)	16T	
BSC71S1S	MagaBio plus Virus DNA/RNA Purification Kit II (Pre-packaged strip)	32T	

MagaBio Plus Virus DNA/RNA Extraction Kit III CE

MagaBio Plus virus DNA/RNA extraction kit III compared to the previous two generations, this product uses a unique lysate system to rapidly lyse the virus, combined with a new magnetic bead technology for the purification of nucleic acids.

The sample types cover whole blood, tissues, plasma, serum, body fluids, animal and plant tissues, feces, swabs, and alveolar lavage fluid, etc., which are more common and do not require protease K.

96 samples can be easily extracted in only 15 minutes. The purified nucleic acid can be used for detection of NGS, qPCR, etc.

Product Features

Wide application

Suitable for samples of tissue, feces, whole blood, serum, plasma, body fluid samples and swabs.

Easy to use

No need to add protease K, just add samples to complete whole extraction.

Rapid extraction

96 samples can be extracted in 15 minutes.

High sensitivity

The sensitivity of DNA virus extraction was up to 10 IU/mL and RNA virus extraction was up to 50 IU/mL.

Application Cases

Case 1

The nucleic acid of porcine epidemic diarrhea virus (PEDV) was extracted by Magabio Plus Virus DNA/RNA Purification kit III (BSC86) and competitive reagents on the market, and then fluorescence quantitative detection was performed.

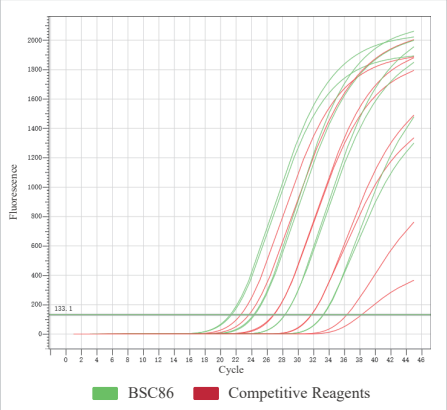


Figure-1

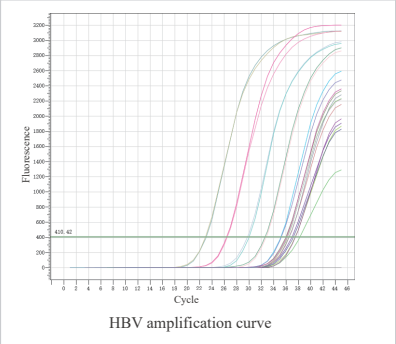
PEDV	BSC86 (Ct value)	Competitive Reagents (Ct value)
10	21.10	22.40
	20.80	23.17
100	24.13	26.85
	23.53	26.58
1000	27.63	31.22
	27.83	31.58
10000	31.48	39.01
	31.52	36.40
Negative Control	-	

Table -1

The results showed that the Magabio Plus Virus DNA/RNA Purification Kit III could efficiently extract nucleic acids from samples of various concentrations, and the linear relationship was good, and the quality was obviously better than other brand reagent on the market.

Case 2

The Magabio Plus Viral DNA/RNA Purification Kit III reagent was used to determine the extraction sensitivity of samples with multiple dilutions of HBV DNA and HCV RNA viruses.The extracted products were tested by a highly sensitive detection reagent, and the results were shown in the figure

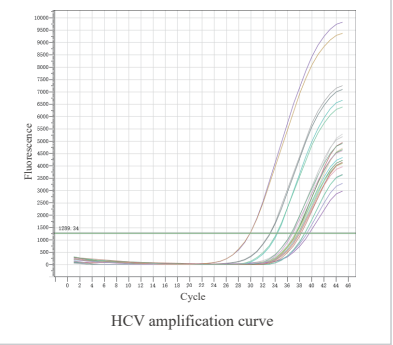


HBV amplification curve

Figure-2

HBV virus concentration	Ct value		Detection rate
10^5 IU/mL	23.28	22.90	100%
10^4 IU/mL	26.44	26.63	100%
10^3 IU/mL	29.88	30.03	100%
10^2 IU/mL	33.32	32.68	100%
10 IU/mL	37.37	36.40	100%
	35.78	36.62	
	35.25	36.75	
	36.46	36.81	
Negative Control	-	-	-

Table -2



HCV amplification curve

Figure-3

HCV virus concentration	Ct value		Detection rate
10^4 IU/mL	29.91	29.90	100%
10^3 IU/mL	33.23	33.14	100%
500 IU/mL	34.41	34.27	100%
100 IU/mL	36.90	36.64	100%
50 IU/mL	37.54	36.78	100%
	37.49	37.43	
	37.83	39.63	
	37.51	38.88	
Negative Control	-	- -	

Table -3

Result: The Magabio Plus Viral DNA/RNA Purification Kit III reagent had a sensitivity of 10 IU/mL for the extraction of HBV DNA virus and 50 IU/mL for the extraction of HCV RNA virus.It indicates that the product has a good sensitivity when extracting DNA/RNA samples.

Cat. No.	Product	Package	Sample Type
BSC86S1B	Magabio plus Virus DNA/RNA Purification Kit III	50T	Tissue, feces, whole blood, serum, plasma, body fluid samples and swabs
BSC86M1B	Magabio plus Virus DNA/RNA Purification Kit III	100T	
BSC86T1C	Magabio plus Virus DNA/RNA Purification Kit III	16T	
BSC86S1C	Magabio plus Virus DNA/RNA Purification Kit III	32T	
BSC86T1S	Magabio plus Virus DNA/RNA Purification Kit III	16T	
BSC86S1S	Magabio plus Virus DNA/RNA Purification Kit III	32T	
BSC86M1S	Magabio plus Virus DNA/RNA Purification Kit III	48T	
BSC86L1S	Magabio plus Virus DNA/RNA Purification Kit III	96T	
BSC86T1E	Magabio plus Virus DNA/RNA Purification Kit III	16T	
BSC86S1E	Magabio plus Virus DNA/RNA Purification Kit III	32T	
BSC86M1E	Magabio plus Virus DNA/RNA Purification Kit III	48T	
BSC86L1E	Magabio plus Virus DNA/RNA Purification Kit III	96T	

ASFV Real-Time PCR detection reagent

African Swine fever virus (ASFV) is a double-stranded DNA virus belonging to Asfarviridae, which can cause acute and hemorrhagic symptoms in domestic pigs or wild boar after infection. The virus spreads quickly among pigs and could have serious effects for the breeding industry if it is not detected in time. Bioer ASFV real-time PCR detection reagent series is specially designed for this virus, with high efficiency, stability, strong specificity and other characteristics, can meet the needs of different users.

Product Features

Short time

The detection time is short and can be used with Bioer one-step method virus nucleic acid extraction kit.

Monitorable

The whole process of sampling, extraction and PCR detection can be monitored

High efficiency and stability

Specially designed for African swine fever virus, with good practicality, stable storage and transportation

Strong versatility

Suitable for all kinds of PCR detection system

Application Cases

Case 1

Nucleic acid was extracted from pig whole blood samples containing African swine fever virus using Bioer MagaBio Plus virus DNA extraction kit II. After gradient dilution of nucleic acid (10-100,000 times), Bioer ASFV real-time PCR detection kit was used for detection.

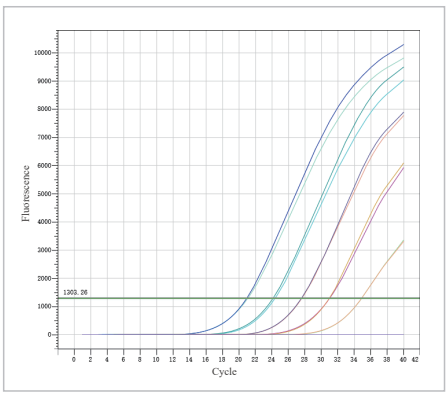


Figure-1

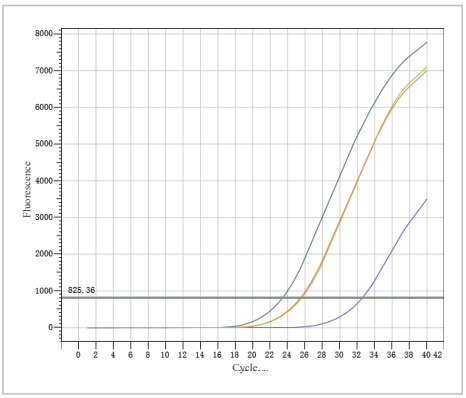
ASFV	Ct Value	
Original liquid	18.66	18.51
10 times dilution	22.29	22.28
100 times dilution	28.82	25.7
1000 times dilution	29.39	29.57
10000 times	32.96	32.62
100000 times	35.62	35.77
Negative control	NoCt	NoCt

Table -1

The Result: Bioer ASFV real-time PCR reagent showed stable and good linearity under different dilution multiples, indicating that this kit had high sensitivity and strong stability.

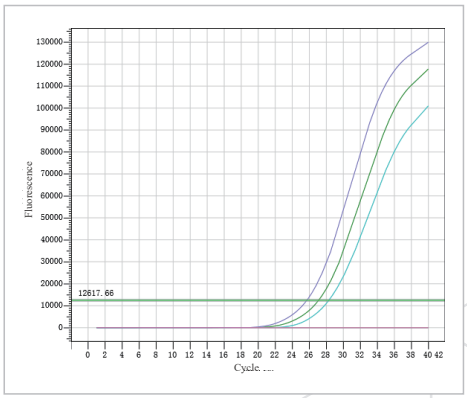
Case 2

The nucleic acid containing ASFV samples was extracted with the Simply P virus DNA/RNA extraction kit of Bioer Technology, and then detected with the Bioer ASFV real-time PCR detection kit and the other detection reagent of C Company in the market. The results were shown in Figure 2 and Figure 3:



Bioer Technology

Figure-2



C company

Figure-3

The results: showed that Bioer ASFV real-time PCR detection reagent detected one more sample than other reagents from C company, indicating that Bioer ASFV real-time PCR detection reagent kit is more sensitive and has a stronger gray area sample detection ability in use, which reduces the risk of missing detection.

Cat. No.	Product	Package	Sample Type
BSL04S1F	Non premixed, Containing exogenous internal standard, NO UDG	24T	-20°C away from light for 12 months
BSL04M1F	Non premixed, Containing exogenous internal standard, NO UDG	48T	
BSL04S1G	Premixed, No internal control, UDG included,	24T	
BSL04M1G	Premixed, No internal control, UDG included,	48T	
BSL04S1H	Premixed, No internal control, UDG included, Shortest running time	24T	
BSL04M1H	Premixed, No internal control, UDG included, Shortest running time	48T	
BSL04S1I	Non premixed, No internal control, NO UDG	24T	
BSL04M1I	Non premixed, No internal control, NO UDG	48T	
BSL04S1J	Non premixed, Endogenous internal control (Cy5), NO UDG	24T	
BSL04M1J	Non premixed, Endogenous internal control (Cy5), NO UDG	48T	
BSL04S1J1	Non premixed, Endogenous internal control (HEX), NO UDG	24T	
BSL04M1J1	Non premixed, Endogenous internal control (HEX), NO UDG	48T	

HIV RT-PCR Fluorescence Quantitative Detection Kit

Human immunodeficiency virus (HIV) is an infection that attacks the body's immune system. The human immunodeficiency virus (HIV) is grouped to the genus Lentivirus within the family of Retroviridae, subfamily Orthoretrovirinae . On the basis of genetic characteristics and differences in the viral antigens, HIV is classified into the types 1 and 2 (HIV-1, HIV-2). HIV-1 is subdivided into the groups M, N, O and P. HIV-1 group M viruses are subdivided into subtypes A to D, F to H, J and K. Recombination, i.e. the exchange of entire gene sequences at unselected positions, is observed when a target cell is infected with two different HIV subtypes. Statistically, approximately 1 in 400 newly produced virus particles is a recombinant .

Commonly used methods for detecting viral load of HIV-1 type include real-time fluorescent quantitative PCR . The clinical applications of viral load determination include: predicting disease progression, assessing ART treatment, and guiding ART program adjustment; it can also be used as a supplementary test for the diagnosis of HIV infection, and it can be used for the diagnosis of patients in the acute phase/window phase and advanced stage.

Product Features

Sample Type

Serum, Plasma

High Accuracy

Effectively quantitatively the content of HIV-1 in the sample, and the result meets expectations.

Good Specificity

There is no cross-reaction with pathogens such as hepatitis B virus, hepatitis C virus, Epstein-Barr virus, herpes simplex virus type 1, herpes simplex virus type 2, Staphylococcus aureus, Candida albicans, and human cytomegalovirus.

Real-time Monitoring

The introduction of exogenous internal standards is used to monitor the entire extraction and PCR detection process.

Specifications

Parameter	Description
Sample Type	Serum, Plasma
Genotype	HIV-1 group M viruses
Limit of Detection	50 IU /mL
Limit of Quantitation	200 IU/mL
Linear Range	200 IU /mL ~ 1×10^8IU /mL
Specificity	No cross-reaction with pathogens such as hepatitis B virus, hepatitis C virus, Epstein-Barr virus, herpes simplex virus type 1, herpes simplex virus type 2, Staphylococcus aureus, Candida albicans, and human cytomegalovirus
Compatible Platform	Bioer LineGene、QuantGene Real-Time PCR System
Detection Time	60 min
Storage Condition	-20 ± 5 C Keep away from light

Application Cases

Case 1

Using this kit to detect human immunodeficiency virus type 1 and draw a standard curve, the correlation coefficient of the target gene Ct value is above 0.995, indicating that the kit has a good linear relationship and high PCR efficiency. The result is shown in the figure below:

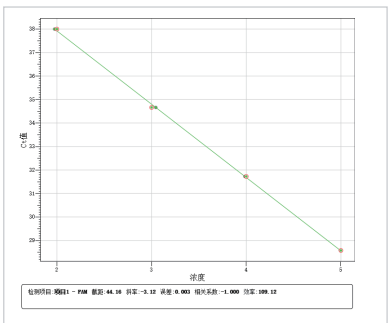


Figure-1

Result：Standard curve of human immunodeficiency virus type 1 quantitative detection kit.

Case 2

Using human immunodeficiency virus type 1, hepatitis B virus, hepatitis C virus, Epstein-Barr virus, herpes simplex virus type 1, herpes simplex virus type 2, Staphylococcus aureus, Candida albicans, and human cytomegalovirus When the kit is tested, except for human immunodeficiency virus type 1, other pathogens have no amplification signal, indicating that the kit has no crossover with other pathogens and has good specificity.

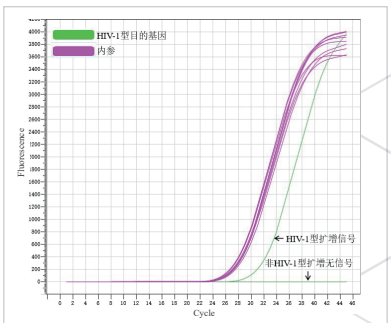


Figure-2

Result：Fluorescent quantitative PCR amplification curves of HIV-1 and other virus strains.

Case 3

The kit is used to detect human immunodeficiency virus type 1 of known samples, and the logarithmic deviation between the quantitative value and the theoretical value is ≤0.5, which shows that the kit has a high accuracy of determination. The result is shown in the f gure below:

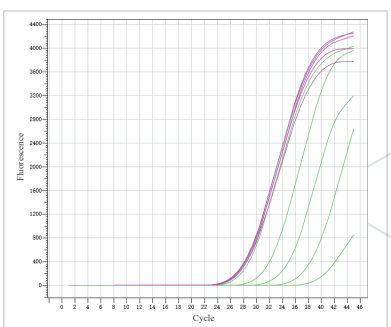


Figure-3

Sample	Theoretical concentration (Log) IU/mL	Measurement concentration (Log) IU/mL	Logarithmic Deviation
S1	5.00	4.99	0.01
S2	4.00	3.99	0.01
S3	3.00	3.05	0.05
S4	2.00	1.98	0.02
S5	1.70	1.78	0.08
NTC	\	\	\

Table -1

Result：Amplification curve of human immunodeficiency virus type 1 quantitative detection kit

Cat. No.	Product	Package
BSB24S1C	HIV RT-PCR Fluorescence Quantitative Detection Kit	32T
BSB24M1C	HIV RT-PCR Fluorescence Quantitative Detection Kit	48T

Hepatitis C Virus Nucleic Acid Quantitative Detection Kit (Fluorescent PCR)

Hepatitis C is a viral infection that causes liver inflammation, sometimes leading to serious liver damage. The hepatitis C virus (HCV) spreads through contaminated blood. Globally, HCV exists in several distinct forms, known as genotypes. Seven distinct HCV genotypes and more than 67 subtypes have been identified. The most common HCV genotype in the United States is type 1.

Quantitative determination of HCV-RNA can evaluate the viral load and replication activity in patients. It is currently the "gold standard" for evaluating HCV replication. It is a laboratory detection index to help diagnose recessive HCV infection and recessive chronic hepatitis C. effective indicator of development. Nucleic Acid Amplification Test (NAT) is sensitive to low levels of HCV virus in the body, and can detect low-load viruses, understand the number of viruses in the body, replication level, infectivity, drug treatment effects, formulate treatment strategies, etc., and use them as evaluation indicators , is also the only laboratory detection indicator that can help diagnose occult HCV infection and occult chronic HCV.

Product Features

Sample Type

Serum, Plasma

High Accuracy

Effectively quantitatively the content of hepatitis C virus in the sample, and the result meets expectations.

Good Specificity

No cross-reaction with human immunodeficiency virus, hepatitis B virus, herpes simplex virus type 1, herpes simplex virus type 2, influenza A virus, Staphylococcus aureus, Epstein-Barr virus, dengue virus, Candida albicans and other pathogens.

Real-time Monitoring

The introduction of exogenous internal standards is used to monitor the entire extraction and PCR detection process.

Specifications

Parameter	Description
Sample Type	Serum, Plasma
Genotype	1-6，6 Genotypes
Limit of Detection	25 IU /mL
Limit of Quantitation	50 IU/mL
Linear Range	50 IU /mL ~2×10^9 IU /mL
Precision	The intra-assay and inter-assay coefficients of variation (CV%) were less than 5%
Specificity	No cross-reaction with human immunodeficiency virus, hepatitis B virus, herpes simplex virus type 1, herpes simplex virus type 2, influenza A virus, Staphylococcus aureus, Epstein-Barr virus, dengue virus, Candida albicans and other pathogens
Compatible Platform	Bioer LineGene、QuantGene Real-Time PCR System
Detection Time	60 min
Storage Condition	-20 ± 5℃ Keep away from light

Application Cases

Case 1

The kit was used to detect hepatitis C virus and a standard curve was draw . The correlation coefficient of the target gene Ct value was above 0.995, indicating that the kit has a good linear relationship and high PCR efficiency. The result is shown in the figure below:

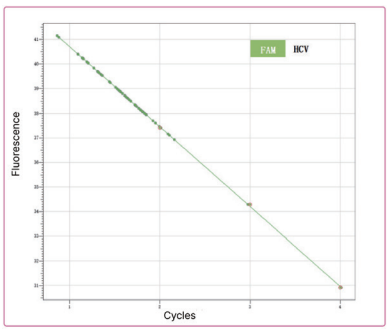


Figure-1

Result：Standard curve of hepatitis C virus quantitative detection kit.

Case 2

The kit is used to detect hepatitis C virus of known samples, and the logarithmic deviation between the quantitative value and the theoretical value is ≤0.5, which shows that the kit has a high determination accuracy. The result is shown in the figure below:

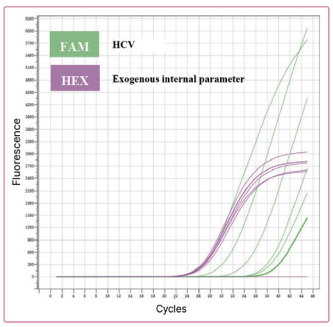


Figure-2

Sample	Theoretical concentration IU/mL	Measurement Concentration IU/mL	Logarithmic Deviation
S1	100000	9.40e+04	0.03
S2	10000	1.13e+04	0.05
S3	1000	9.40e+02	0.03
S4	100	8.19e+01	0.09
S5	50	5.18e+01	0.02
S6	25	2.09e+01	0.08
NTC	\	\	\

Result：qPCR amplification curve of the hepatitis B virus quantitative detection kit.

Case 3

The low-concentration hepatitis C virus nucleic acid sample was repeatedly tested with this kit, the coefficient of variation of the Ct value was less than 2%, and the coefficient of variation of the logarithmic value of the quantitative concentration was less than 5%, indicating that the kit has good reprodu ibility. The test results are stable and reliable, and the test results are as follows:

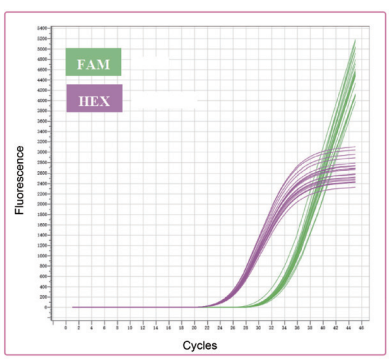


Figure-3

	Target CT Value	Concentration IU/mL	Logarithmic value
1	34.70	1.26E+03	3.10
2	34.56	1.39E+03	3.14
3	34.12	1.88E+03	3.27
4	34.18	1.80E+03	3.26
5	34.65	1.31E+03	3.12
6	33.94	2.13E+03	3.33
7	33.16	3.61E+03	3.56
8	34.25	1.72E+03	3.24
9	34.50	1.45E+03	3.16
10	34.30	1.66E+03	3.22

	Target CT Value	Concentration IU/mL	Logarithmic value
11	34.58	1.37E+03	3.14
12	33.86	2.25E+03	3.35
13	34.43	1.52E+03	3.18
14	34.91	1.10E+03	3.04
15	34.24	1.73E+03	3.24
16	34.57	1.38E+03	3.14
17	35.12	9.49E+02	2.98
18	34.42	1.53E+03	3.18
19	34.32	1.63E+03	3.21
20	33.98	2.07E+03	3.32
CV%	1.23%	\	3.89%

Result：Repeatability verification of hepatitis C nucleic acid samples.

Cat. No.	Product	Package
BSB02M1F	Hepatitis C Virus Nucleic Acid Quantitative Detection Kit (Fluorescent PCR)	48T

WWW.BIOER.COM.CN

CARE FOR LIFE WITH
SCIENCE AND TECHNOLOGY

BioFlux | BIOER TECHNOLOGY

Hangzhou Bioer Technology Co., Ltd.

Add: 1192 Bin An Rd., Hi-tech (Binjiang) District, Hangzhou, 310053, P.R.China

Tel:+86-571-87774575 E-mail: overseas@bioer.com.cn

Fax: +86-571-87774553 Http: //www.bioer.com

After-sales service: +86-571-87774558

Sci & tech products of BIOER will be updated continuously; please understand that no prior notice will be given as for any design and specification alteration. The real product and color shall prevail.

Final interpretation right for the Catalogue is reserved by BIOER.