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RESPIRATORY INFECTIOUS DISEASES

Infection caused in the respiratory system is termed as respiratory tract infections (RTIs). RTIs can be associated with infection of both the upper and lower respiratory tract, which including syndrome like common cold, rhinorrhea, pharyngitis, bronchiolitis, croup, pneumonia, otitis media, etc. The respiratory pathogens are including virus, bacteria even fungi. Most of respiratory infections are caused by virus. The RTIs can be transmitted among people through coughing, sneezing, and contacting with contaminated surfaces.

Respiratory tract infections caused by influenza is killing above 250,000 to 500,000 people each year. For minimized impact and reduced transmission, getting tests and identifying asymptomatic patients are crucial for further clinical management and epidemiologic surveillance .

**WHO,2017. The Global Impact of Respiratory Disease. [Online]. Available at: www.who.int/gard/publications/The_Global_Impact_of_Respiratory_Disease.pdf (Accessed: 15 July 2021).
WHO, 2021. WHO Coronavirus (COVID-19) Dashboard With Vaccinate. [Online]. Available at: covid19.who.int/ (Accessed: 15 July 2021)

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB20122NW (RUO)	Real-time PCR	Acinetobacter Baumannii Real Time PCR Kit
YJC10117NW (RUO)	Real-time PCR	Adenovirus Real Time PCR Kit
YJC50109NW (RUO)	Real-time PCR	Adenovirus Type 3 Real Time PCR Kit
YJC50110NW (RUO)	Real-time PCR	Adenovirus Type 7 Real Time PCR Kit
YJC10207W (RUO)	Real-time PCR	Avian Influenza Virus (H10N8) Real Time PCR Kit
YJC10301W (RUO)	Real-time PCR	Avian Influenza Virus (H5/H7/H9) Real Time PCR Kit
YJC10212NW (RUO)	Real-time PCR	Avian Influenza Virus (H5N1) Real Time PCR Kit
YJC10210W (RUO)	Real-time PCR	Avian Influenza Virus (H5N6) Real Time PCR Kit
YJC10214W (RUO)	Real-time PCR	Avian Influenza Virus (H5N8) Real Time PCR Kit
YJC10108W (RUO)	Real-time PCR	Avian Influenza Virus (H7) Real Time PCR Kit
YJC10206W (RUO)	Real-time PCR	Avian Influenza Virus (H7N2) Real Time PCR Kit
YJC10221W (RUO)	Real-time PCR	Avian Influenza Virus (H7N4) Real Time PCR Kit
YJC10205W (RUO)	Real-time PCR	Avian Influenza Virus (H7N9) Real Time PCR Kit
YJC10109W (RUO)	Real-time PCR	Avian Influenza Virus (H9) Real Time PCR Kit
YJC10217W (RUO)	Real-time PCR	Avian Influenza Virus (H9N2) Real Time PCR Kit
YJC10137W (RUO)	Real-time PCR	Avian Influenza Virus (N9) Real Time PCR Kit
YJC10151NW (RUO)	Real-time PCR	Avian Influenza Virus Real Time PCR Kit
YJC10107W (RUO)	Real-time PCR	Avian Influenza Virus Subtype H5 Real Time PCR Kit
YJC10219NW (RUO)	Real-time PCR	Avian Influenza Viruse H7N9 (Yangtze River/Pearl River) Real Time PCR Kit
YJB70105NW (RUO)	Real-time PCR	Bordetella Parapertussis Real Time PCR Kit
YJB20139NW (RUO)	Real-time PCR	Capsule Histoplasma Real Time PCR Kit
YJB20108NW (RUO)	Real-time PCR	Chlamydia Pneumoniae Real Time PCR Kit
YJB70101NW (RUO)	Real-time PCR	Cryptococcus Neoformans Real Time PCR Kit
YJB70103NW (RUO)	Real-time PCR	Diphtheria Bacillus Real Time PCR Kit
YJB20111NW (RUO)	Real-time PCR	Group A β-hemolytic Streptococcus (GAS) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB20104NW (RUO)	Real-time PCR	Haemophilus Influenzae Real Time PCR Kit
YJB20104-1NW (RUO)	Real-time PCR	Haemophilus Influenzae Type B Real Time PCR Kit
YJB20202 W (RUO)	Real-time PCR	Haemophilus Influenzae/Streptococcus Pneumoniae Real Time PCR Kit
YJC10152NW (RUO)	Real-time PCR	Highly Pathogenic Avian Influenza Virus (H7N9 Variant) Real Time PCR Kit
YJC10126NW (RUO)	Real-time PCR	Human Bocavirus Quantitative Real Time PCR Kit
YJC10120NW (RUO)	Real-time PCR	Human Bocavirus Real Time PCR Kit
YJC10218NW (RUO)	Real-time PCR	Human Bocavirus/Adenovirus Real Time PCR Kit
YJC10122W (RUO)	Real-time PCR	Human Coronavirus 229E Real Time PCR Kit
YJC10125W (RUO)	Real-time PCR	Human Coronavirus HKU1 Real Time PCR Kit
YJC10124W (RUO)	Real-time PCR	Human Coronavirus NL63 Real Time PCR Kit
YJC10123W (RUO)	Real-time PCR	Human Coronavirus OC43 Real Time PCR Kit
YJC10154NW (RUO)	Real-time PCR	Human Coronavirus Real Time PCR Kit
YJC10114NW (RUO)	Real-time PCR	Human Metapneumovirus Real Time PCR Kit
YJB60109NW (RUO)	Real-time PCR	Human Mycoplasma Real Time PCR Kit
YJC10403W (RUO)	Real-time PCR	Human Parainfluenza Virus Genotyping Real Time PCR Kit
YJC10127W (RUO)	Real-time PCR	Human Parainfluenza Virus Real Time PCR Kit
YJC10110W (RUO)	Real-time PCR	Human Parainfluenza Virus Type 1 Real Time PCR Kit
YJC10111W (RUO)	Real-time PCR	Human Parainfluenza Virus Type 2 Real Time PCR Kit
YJC10112W (RUO)	Real-time PCR	Human Parainfluenza Virus Type 3 Real Time PCR Kit
YJC10113W (RUO)	Real-time PCR	Human Parainfluenza Virus Type 4 Real Time PCR Kit
YJC10116NW (RUO)	Real-time PCR	Human Respiratory Syncytial Virus Real Time PCR Kit
YJC10116-1W (RUO)	Real-time PCR	Human Respiratory Syncytial Virus Type A Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC10116-2W (RUO)	Real-time PCR	Human Respiratory Syncytial Virus Type B Real Time PCR Kit
YJC10222W (RUO)	Real-time PCR	Human Respiratory Syncytial Virus/Adenovirus Real Time PCR Kit
YJC10119W (RUO)	Real-time PCR	Human Rhinovirus Real Time PCR Kit
YJC10307W (RUO)	Real-time PCR	Human Rhinovirus/Metapneumovirus/Respiratory Syncytial Virus Real Time PCR Kit
YJC10138W (RUO)	Real-time PCR	Influenza A Virus (H10) Real Time PCR Kit
YJC10143W (RUO)	Real-time PCR	Influenza A Virus (H11) Real Time PCR Kit
YJC10144W (RUO)	Real-time PCR	Influenza A Virus (H12) Real Time PCR Kit
YJC10145W (RUO)	Real-time PCR	Influenza A Virus (H13) Real Time PCR Kit
YJC10146W (RUO)	Real-time PCR	Influenza A Virus (H14) Real Time PCR Kit
YJC10147W (RUO)	Real-time PCR	Influenza A Virus (H15) Real Time PCR Kit
YJC10148W (RUO)	Real-time PCR	Influenza A Virus (H16) Real Time PCR Kit
YJC10139W (RUO)	Real-time PCR	Influenza A Virus (H2) Real Time PCR Kit
YJC10106W (RUO)	Real-time PCR	Influenza A Virus (H3) Real Time PCR Kit
YJC10211W (RUO)	Real-time PCR	Influenza A Virus (H3N2) Real Time PCR Kit
YJC10140W (RUO)	Real-time PCR	Influenza A Virus (H4) Real Time PCR Kit
YJC10141W (RUO)	Real-time PCR	Influenza A Virus (H6) Real Time PCR Kit
YJC10142W (RUO)	Real-time PCR	Influenza A Virus (H8) Real Time PCR Kit
YJC10129W (RUO)	Real-time PCR	Influenza A Virus (N1) Real Time PCR Kit
YJC10130W (RUO)	Real-time PCR	Influenza A Virus (N2) Real Time PCR Kit
YJC10131W (RUO)	Real-time PCR	Influenza A Virus (N3) Real Time PCR Kit
YJC10132W (RUO)	Real-time PCR	Influenza A Virus (N4) Real Time PCR Kit
YJC10133W (RUO)	Real-time PCR	Influenza A Virus (N5) Real Time PCR Kit
YJC10135W (RUO)	Real-time PCR	Influenza A Virus (N7) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC10136W (RUO)	Real-time PCR	Influenza A Virus (N8) Real Time PCR Kit
YJC10209W (RUO)	Real-time PCR	Influenza A Virus H1N1 (2009) / Seasonal H3 Real Time PCR Kit
YJC10102NW (RUO)	Real-time PCR	Influenza A Virus H1N1 (2009) Real Time PCR Kit
YJC10201W (RUO)	Real-time PCR	Influenza A Virus H1N1 (2009)/Influenza A Virus Real Time PCR Kit
YJC10103NW (RUO)	Real-time PCR	Influenza A Virus Real Time PCR Kit
YJC10309W (RUO)	Real-time PCR	Influenza A/B/2019-nCoV Real Time PCR Kit
YJC10407W (RUO)	Real-time PCR	Influenza A/B/2019-nCoV Real Time PCR Kit
YJC10104-1W (RUO)	Real-time PCR	Influenza B Virus (Victoria) Real Time PCR Kit
YJC10204W (RUO)	Real-time PCR	Influenza B Virus (Victoria/Yamagata) Real Time PCR Kit
YJC10104-2W (RUO)	Real-time PCR	Influenza B Virus (Yamagata) Real Time PCR Kit
YJC10104NW (RUO)	Real-time PCR	Influenza B Virus Real Time PCR Kit
YJC10118NW (RUO)	Real-time PCR	Influenza C Virus Real Time PCR Kit
YJC10153NW (RUO)	Real-time PCR	Influenza D Virus Real Time PCR Kit
YJC10404W (RUO)	Real-time PCR	Influenza Virus (H1N1(2009)/ Seasonal H3/BV/BY) Real Time PCR Kit
YJC10402W (RUO)	Real-time PCR	Influenza Virus A/Influenza Virus B/ H1N1 (2009)/Seasonal H3 Real Time PCR Kit
YJC10901W (RUO)	Real-time PCR	Influenza Virus NA Subtyping Real Time PCR Kit
YJB20105NW (RUO)	Real-time PCR	Klebsiella Pneumoniae Real Time PCR Kit
YJB20107NW (RUO)	Real-time PCR	Legionella Real Time PCR Kit
YJB20203NW (RUO)	Real-time PCR	Legionella/Legionella Pneumophila Real Time PCR Kit
YJB30122NW (RUO)	Real-time PCR	Leprosy bacteria Real Time PCR Kit
YJC40101W (RUO)	Real-time PCR	Measles Virus Real Time PCR Kit
YJC40201W (RUO)	Real-time PCR	Measles Virus/Rubella Virus Real Time PCR Kit
YJB20132NW (RUO)	Real-time PCR	Meningococcal flavobacterium Real Time PCR Kit

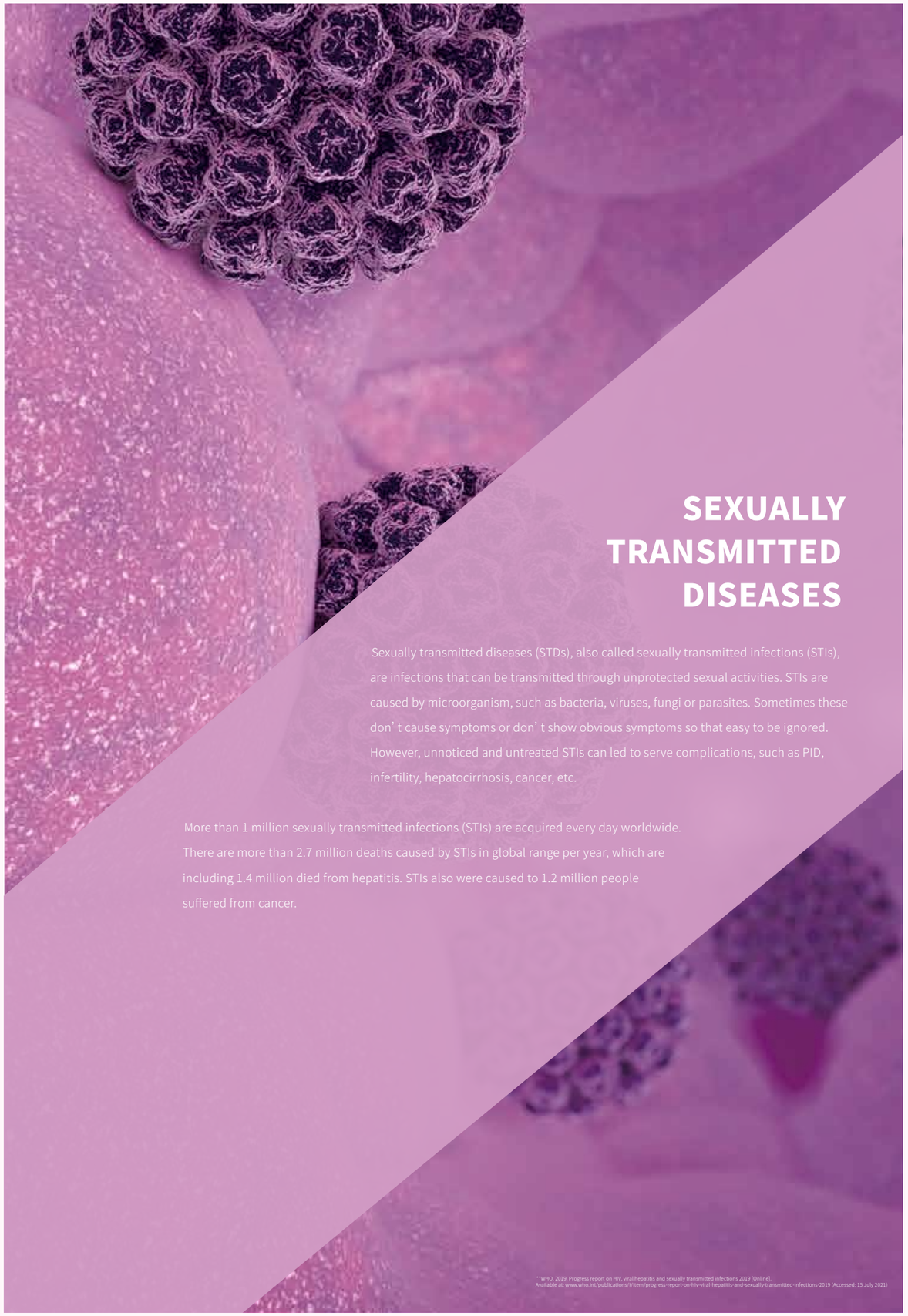
CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC10401W (RUO)	Real-time PCR	Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Real Time PCR Kit
YJC10224W (RUO)	Real-time PCR	Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Real Time PCR Kit
YJB20123NW (RUO)	Real-time PCR	Mycobacterium Tuberculosis Real Time PCR Kit
YJB20201NW (RUO)	Real-time PCR	Mycoplasma Pneumoniae/Chlamydia Pneumoniae Real Time PCR Kit
YJB30201NW (RUO)	Real-time PCR	Neisseria Meningitidis (A/C) Real Time PCR Kit
YJB30301NW (RUO)	Real-time PCR	Neisseria Meningitidis (B/W135/Y) Real Time PCR Kit
YJB30105NW (RUO)	Real-time PCR	Neisseria Meningitidis Real Time PCR Kit
YJB30113NW (RUO)	Real-time PCR	Neisseria Meningitidis serogroup A Real Time PCR Kit
YJB30115NW (RUO)	Real-time PCR	Neisseria Meningitidis serogroup C Real Time PCR Kit
YJB30118NW (RUO)	Real-time PCR	Neisseria Meningitidis serogroup W135 Real Time PCR Kit
YJB30116NW (RUO)	Real-time PCR	Neisseria Meningitidis serogroup X Real Time PCR Kit
YJB30117NW (RUO)	Real-time PCR	Neisseria Meningitidis serogroup Y Real Time PCR Kit
YJB30114NW (RUO)	Real-time PCR	Neisseria Meningitidisserogroup B Real Time PCR K
YJB20133NW (RUO)	Real-time PCR	Nocardia Asteroids Real Time PCR Kit
YJB20134NW (RUO)	Real-time PCR	Nocardia Brazil Real Time PCR Kit
YJB20137NW (RUO)	Real-time PCR	Nocardia Carnosus Real Time PCR Kit
YJB20131NW (RUO)	Real-time PCR	Paracoccidiodes Brasiliensis Real Time PCR Kit
YJB70102NW (RUO)	Real-time PCR	Pertussis Real Time PCR Kit
YJB70201NW (RUO)	Real-time PCR	Pertussis/Parapertussis Real Time PCR Kit
YJB10141NW (RUO)	Real-time PCR	Pneumocystis Jiroveci Real Time PCR Kit
YJB20102NW (RUO)	Real-time PCR	Pseudomonas Aeruginosa Real Time PCR Kit
YJC151501NW (RUO)	Real-time PCR	Respiratory Virus Panel (15) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC40102W (RUO)	Real-time PCR	Rubella Virus Real Time PCR Kit
YJC10128 W (RUO)	Real-time PCR	Severe Acute Respiratory Syndromes Coronavirus (SARS-CoV) Real Time PCR Kit
YJC40109NW (RUO)	Real-time PCR	Smallpox Virus Real Time PCR Kit
YJB20101NW (RUO)	Real-time PCR	Staphylococcus Aureus Real Time PCR Kit
YJB20140NW (RUO)	Real-time PCR	Stenotrophomonas Maltophilia Real Time PCR Kit
YJB20103NW (RUO)	Real-time PCR	Streptococcus Pneumoniae Real Time PCR Kit
YJC10306W (RUO)	Real-time PCR	Victoria/Yamagata/Influenza B Virus Real Time PCR Kit
YJC10134W (RUO)	Real-time PCR	Influenza A Virus (N6) Real Time PCR Kit
YJC10155W (RUO)	Real-time PCR	Coronavirus Real Time PCR Kit
YJC10158NW (RUO)	Real-time PCR	Eurasian avian-like H1N1 swine influenza viruses Real Time PCR Kit
YJC10159NW (RUO)	Real-time PCR	Adenovirus type 55 Real Time PCR Kit
YJC10202W (RUO)	Real-time PCR	Influenza virus A and Influenza virus B Real Time PCR Kit
YJC10215W (RUO)	Real-time PCR	Avian Influenza Virus (H5N2) Real Time PCR Kit
YJC10225NW (RUO)	Real-time PCR	Avian Influenza Virus (H10N3) Real Time PCR Kit
YJC10230W (RUO)	Real-time PCR	Avian Influenza Virus (H3N8) Real Time PCR Kit
YJC10301NW(RUO)	Real-time PCR	Avian Influenza Virus (H5/H7/H9) Real Time PCR Kit
YJC10308NW (RUO)	Real-time PCR	COVID-19 Coronavirus (ORF1ab/N/E) Real Time PCR Kit
YJC10311W (RUO)	Real-time PCR	Influenza virus A and Influenza virus B Real Time PCR Kit
YJC10312W (RUO)	Real-time PCR	Human Rhinovirus,Human Respiratory Syncytial and Adenovirus Real Time PCR Kit
YJC10313NW (RUO)	Real-time PCR	H7/N9/HPAI-H7 Avian Influenza Virus Real Time PCR Kit
YJC10317NW (RUO)	Real-time PCR	Victoria/Yamagata and Influenza virus A Real Time PCR Kit
YJC10405W (RUO)	Real-time PCR	Avian Influenza Virus H5/H7/H9 Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC10406W (RUO)	Real-time PCR	Avian Influenza Virus N1/N2/N6/N9 Real Time PCR Kit
YJC10408W (RUO)	Real-time PCR	Human Rhinovirus, Human Metapneumovirus,Human Respiratory Syncytial and Adenovirus Real Time PCR Kit
YJC10409W (RUO)	Real-time PCR	Influenza virus A,Influenza virus B,Human Respiratory Syncytial and Adenovirus Real Time PCR Kit
YJC10410W (RUO)	Real-time PCR	Victoria/Yamagata,Influenza virus A and Influenza virus B Real Time PCR Kit
YJC10411NW(RUO)	Real-time PCR	Allfastra SARS-CoV-2/FluA/FluB/RSV Real Time PCR Kit
YJC10701W (RUO)	Real-time PCR	Human Coronavirus genetype Real Time PCR Kit
YJC12133W (RUO)	Real-time PCR	Adenovirus E1A Gene Real Time PCR Kit
YJC12134W (RUO)	Real-time PCR	Adenovirus RCA Gene Real Time PCR Kit
YJC50112NW (RUO)	Real-time PCR	Adenovirus type 4 Real Time PCR Kit
YJC50113NW (RUO)	Real-time PCR	Adenovirus type 1 Real Time PCR Kit
YJC50114NW (RUO)	Real-time PCR	Adenovirus type 2 Real Time PCR Kit
YJC50115NW (RUO)	Real-time PCR	Adenovirus type 5 Real Time PCR Kit
YJC50116NW (RUO)	Real-time PCR	Adenovirus type 14 Real Time PCR Kit
YJC50117NW (RUO)	Real-time PCR	Adenovirus type 21 Real Time PCR Kit
YJC50118NW (RUO)	Real-time PCR	Adenovirus type 35 Real Time PCR Kit
YJC50119NW (RUO)	Real-time PCR	Adenovirus type 41 Real Time PCR Kit
YJC50120NW (RUO)	Real-time PCR	Adenovirus type 11 Real Time PCR Kit
YJC150501NW (RUO)	Real-time PCR	Respiratory Panel Assays (5) Real Time PCR Kit
YJC150601W (RUO)	Real-time PCR	Respiratory Panel Assays (6) Real Time PCR Kit
JC150701NW(RUO)	Real-time PCR	Respiratory Virus Panel (7) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC150901W (RUO)	Real-time PCR	Respiratory Panel Assays (9) Real Time PCR Kit
YJC151001NW (RUO)	Real-time PCR	Respiratory Panel Assays (10) Real Time PCR Kit
YJC151601W (RUO)	Real-time PCR	Respiratory Panel Assays (16) Real Time PCR Kit
YJC152701NW (RUO)	Real-time PCR	Respiratory Panel Assays (27) Real Time PCR Kit
YJB20109NW (RUO)	Real-time PCR	Mycoplasma pneumoniae Real Time PCR Kit
YJB20110NW (RUO)	Real-time PCR	Legionella Pneumophila Real Time PCR Kit
YJB20136NW (RUO)	Real-time PCR	Nocardia transvaalensis Real Time PCR Kit
YJB20141NW (RUO)	Real-time PCR	Moraxelle catarrhalis Real Time PCR Kit
YJB20142NW (RUO)	Real-time PCR	Chlamydia psittaci Real Time PCR Kit
YJB20204NW (RUO)	Real-time PCR	Vancomycin resistant Staphylococcus aureus Real Time PCR Kit
YJB20205NW (RUO)	Real-time PCR	Burkholderia gladiolus pv.cocovenenans Real Time PCR Kitt
YJB20206NW (RUO)	Real-time PCR	Resistant methicillin Staphylococcus aureus Real Time PCR Kit
YJB20301NW (RUO)	Real-time PCR	Streptococcus pneumoniae,Legionella pneumophila and Haemophilus influenzae Real Time PCR Kit
YJB20303W (RUO)	Real-time PCR	Legionella pneumophila, Bacillus pertussis and Haemophilus influenzaeReal Time PCR Kit
YJB20304W (RUO)	Real-time PCR	Pseudomonas Aeruginosa,Acinetobacter Baumannii and Klebsiella PneumoniaeReal Time PCR Kit
YJB20402W (RUO)	Real-time PCR	Pseudomonas Aeruginosa,Group A Streptococcus, Staphylococcus Aureus and Streptococcus pneumoniaeReal Time PCR Kit
YJB20501NW (RUO)	Real-time PCR	Staphylococcal enterotoxin A/B/C/D gene Real Time PCR Kit
YJB30302NW (RUO)	Real-time PCR	Neisseria meningitidis serogroup A/B/C Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB30303NW (RUO)	Real-time PCR	Neisseria meningitidis serogroup W135/X/Y Real Time PCR Kit
YJB30501NW (RUO)	Real-time PCR	Bacterial encephalitis panel (5) Real Time PCR Kit
YJB30801W (RUO)	Real-time PCR	Neisseria meningitidis Real Time PCR Kit
YJB70106NW (RUO)	Real-time PCR	Corynebacterium diphtheriae toxigenic Real Time PCR Kit
YJB70202NW (RUO)	Real-time PCR	Corynebacterium diphtheriae toxA and toxB toxigenic Real Time PCR Kit
YJB111101NW (RUO)	Real-time PCR	Respiratory Panel Assays (11) Real Time PCR Kit
YJC10150W (RUO)	Real-time PCR	WU polyomavirus Real Time PCR Kit
JC10209NW (RUO)	Real-time PCR	Influenza A Virus (H1N1 & H3) Real Time PCR Kit
JC10216NW (RUO)	Real-time PCR	Respiratory Syncytial Virus A/B Real Time PCR Kit
JB20103NW (RUO)	Real-time PCR	Streptococcus Pneumoniae Real Time PCR Kit
JB20109NW (RUO)	Real-time PCR	Mycoplasma Pneumoniae Real Time PCR Kit
JB20123NW (RUO)	Real-time PCR	Mycobacterium Tuberculosis Real-time PCR kit
YJC60104NW	Real-time PCR	Mumps virus Real Time PCR Kit
YJB20207NW	Real-time PCR	Streptococcus Pneumoniae and Mycoplasma Pneumoniae Real Time PCR Kit



SEXUALLY TRANSMITTED DISEASES

Sexually transmitted diseases (STDs), also called sexually transmitted infections (STIs), are infections that can be transmitted through unprotected sexual activities. STIs are caused by microorganism, such as bacteria, viruses, fungi or parasites. Sometimes these don't cause symptoms or don't show obvious symptoms so that easy to be ignored. However, unnoticed and untreated STIs can led to serve complications, such as PID, infertility, hepatocirrhosis, cancer, etc.

More than 1 million sexually transmitted infections (STIs) are acquired every day worldwide. There are more than 2.7 million deaths caused by STIs in global range per year, which are including 1.4 million died from hepatitis. STIs also were caused to 1.2 million people suffered from cancer.

**WHO, 2019. Progress report on HIV, viral hepatitis and sexually transmitted infections 2019 [Online].
Available at: www.who.int/publications/i/item/progress-report-on-hiv-viral-hepatitis-and-sexually-transmitted-infections-2019 (Accessed: 15 July 2021)

CATALOG NO.	METHODOLOGY	PRODUCT NAME
JC80403-NW-50T JC80403-NWO-50T	Real-time PCR	Human Papillomavirus Real Time PCR Kit
YJB60111NW (RUO)	Real-time PCR	Candida Albicans Real Time PCR Kit
YJC60105NW (RUO)	Real-time PCR	Herpes Simplex Virus Real Time PCR Kit
YJC60202NW (RUO)	Real-time PCR	Herpes Simplex Virus Type 1 / Type 2 Real Time PCR Kit
YJC60105-1NW (RUO)	Real-time PCR	Herpes Simplex Virus Type 1 Real Time PCR Kit
YJC60105-2NW (RUO)	Real-time PCR	Herpes Simplex Virus Type 2 Real Time PCR Kit
YJC13101NW (RUO)	Real-time PCR	HIV Type 1(HIV-1) Real Time PCR Kit
YJC13102NW (RUO)	Real-time PCR	HIV Type 2 (HIV-2) Real Time PCR Kit
YJB60302NW (RUO)	Real-time PCR	Mycoplasma Genitalium, Mycoplasma Hominis/ Ureaplasma Urealyticum Real Time PCR Kit
YJB60108NW (RUO)	Real-time PCR	Treponema Pallidum Real Time PCR Kit
YJB60110NW (RUO)	Real-time PCR	Trichomonas Vaginalis Real Time PCR Kit
JC70104NW (RUO)	Real-time PCR	Hepatitis B Virus Real Time PCR Kit (RUO)
JC70114NW (RUO)	Real-time PCR	Hepatitis C Virus Real Time PCR Kit (RUO)
JB60301NW (RUO)	Real-time PCR	Neisseria Gonorrhoeae/Chlamydia Trachomatis/ M.urealyticum Real Time PCR Kit



GASTROINTESTINAL INFECTIOUS DISEASES

Gastrointestinal (GI) tract infections are common infections caused by a wide array of bacterial, viral and parasitic pathogens. The usually way of got GI infections is ingesting contaminated food or fluid. The common symptoms are including diarrhea, nausea, and vomiting to abdominal cramp, fever, headache. Diarrhea is the most common symptom, which lead to 525 000 children under 5 years old deaths each year. Rotavirus and Escherichia coli are the two most common etiological agents.

Because of similar symptoms, viral diarrhea, bacterial diarrhea even parasitic diarrhea might be confused. To detect and differentiate etiological agents is helpful for diseased evaluation and management caused by various of pathogens with different mechanisms.

**WHO, 2017. Diarrhoeal disease [Online].
Available at: www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease (Accessed: 15 July 2021).

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC70102NW (RUO)	Real-time PCR	Hepatitis A Virus (HAV) Real Time PCR Kit
YJC70103NW (RUO)	Real-time PCR	Hepatitis E Virus (HEV) Real Time PCR Kit
YJB10134NW (RUO)	Real-time PCR	Amoeba Real Time PCR Kit
YJC50104NW (RUO)	Real-time PCR	Astrovirus Real Time PCR Kit
YJC50202NW (RUO)	Real-time PCR	Astrovirus/Sapovirus Real Time PCR Kit
YJB40102NW (RUO)	Real-time PCR	Bacillus Cereus Real Time PCR Kit
YJB20130W (RUO)	Real-time PCR	Botox Real Time PCR Kit
YJB20126NW (RUO)	Real-time PCR	Botulinum toxin A Real Time PCR Kit
YJB20127NW (RUO)	Real-time PCR	Botulinum toxin B Real Time PCR Kit
YJB20128NW (RUO)	Real-time PCR	Botulinum toxin E Real Time PCR Kit
YJB20129NW (RUO)	Real-time PCR	Botulinum toxin F Real Time PCR Kit
YJB10124NW (RUO)	Real-time PCR	Campylobacter Coli Real Time PCR Kit
YJB10110NW (RUO)	Real-time PCR	Campylobacter Jejuni Real Time PCR Kit
YJB10203NW (RUO)	Real-time PCR	Campylobacter Jejuni/Campylobacter Coli Real Time PCR Kit
YJC20303NW (RUO)	Real-time PCR	CoxA16/EV 7/Enterovirus Real Time PCR Kit (ROX)
YJC20302NW (RUO)	Real-time PCR	CoxA16/EV71/Enterovirus Real Time PCR Kit (2+1)
YJC20207NW (RUO)	Real-time PCR	CoxA4/CoxA10 Real Time PCR Kit
YJC20401W (RUO)	Real-time PCR	CoxA6, CoxA16, EV71 and EV-U Real Time PCR Kit
YJC20304W (RUO)	Real-time PCR	CoxA6/CoxA16/EV71 Real Time PCR Kit
YJC20206W (RUO)	Real-time PCR	CoxsA16/EV71 Quantitative Real Time PCR Kit
YJC20107NW (RUO)	Real-time PCR	Coxsackievirus A10 Real Time PCR Kit
YJC20103NW (RUO)	Real-time PCR	Coxsackievirus A16 Real Time PCR Kit
YJC20111NW (RUO)	Real-time PCR	Coxsackievirus A2 Real Time PCR Kit
YJC20105W (RUO)	Real-time PCR	Coxsackievirus A24 Real Time PCR Kit
YJC20109W (RUO)	Real-time PCR	Coxsackievirus A4 Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC20106NW (RUO)	Real-time PCR	Coxsackievirus A6 Real Time PCR Kit
YJC20112W (RUO)	Real-time PCR	Coxsackievirus B1 Real Time PCR Kit
YJC20113W (RUO)	Real-time PCR	Coxsackievirus B2 Real Time PCR Kit
YJC20114W (RUO)	Real-time PCR	Coxsackievirus B3 Real Time PCR Kit
YJC20115W (RUO)	Real-time PCR	Coxsackievirus B4 Real Time PCR Kit
YJC20116W (RUO)	Real-time PCR	Coxsackievirus B5 Real Time PCR Kit
YJC20117W (RUO)	Real-time PCR	Coxsackievirus B6 Real Time PCR Kit
YJB10131NW (RUO)	Real-time PCR	Cryptosporidium Real Time PCR Kit
YJB11201NW (RUO)	Real-time PCR	Ddiarrheagenic E. coli Panel (5) Real Time PCR Kit
YJC160801NW (RUO)	Real-time PCR	Diarrhea Virus Panel (8) Real Time PCR Kit
YJC20108W (RUO)	Real-time PCR	Echovirus 30 Real Time PCR Kit
YJC50106NW (RUO)	Real-time PCR	Enteric Adenovirus Real Time PCR Kit
YJB10111NW (RUO)	Real-time PCR	Enteroaggregative Escherichia coli (EAEC) Real Time PCR Kit
YJB40101NW (RUO)	Real-time PCR	Enterobacter Sakazakii Real Time PCR Kit
YJB10103NW (RUO)	Real-time PCR	Enterohemorrhagic Escherichia coli (EHEC) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10104NW (RUO)	Real-time PCR	Enteroinvasive Escherichia coli (EIEC) Real Time PCR Kit
YJB10112NW (RUO)	Real-time PCR	Enteropathogenic Escherichia coli (EPEC) Real Time PCR Kit
YJB10113NW (RUO)	Real-time PCR	Enterotoxic Escherichia coli (ETEC) Real Time PCR Kit
YJC20104W (RUO)	Real-time PCR	Enterovirus 70 Real Time PCR Kit
YJC20102NW (RUO)	Real-time PCR	Enterovirus 71 Real Time PCR Kit
YJC20101NW (RUO)	Real-time PCR	Enterovirus Real Time PCR Kit
YJB10204NW (RUO)	Real-time PCR	Escherichia Coli (STX1/STX2) Real Time PCR Kit
YJB10133NW (RUO)	Real-time PCR	Escherichia coli hemolysin gene (HLY) Real Time PCR Kit
YJB10120NW (RUO)	Real-time PCR	Escherichia coli O104 Real Time PCR Kit
YJB10303NW (RUO)	Real-time PCR	Escherichia Coli O104:H4 Real Time PCR Kit
YJB10114NW (RUO)	Real-time PCR	Escherichia coli O157 Real Time PCR Kit
YJC20204W (RUO)	Real-time PCR	EV70/CoxA24 Real Time PCR Kit
YJB10135NW (RUO)	Real-time PCR	Giardia Real Time PCR Kit
YJB10132NW (RUO)	Real-time PCR	Helicobacter Pylori Real Time PCR Kit
YJC40108NW (RUO)	Real-time PCR	Human Parechovirus Real Time PCR Kit
YJC40103W (RUO)	Real-time PCR	Human parvovirus B19 Real Time PCR Kit
YJC50107NW (RUO)	Real-time PCR	Human PicobirnaVirus (PBV) Real Time PCR Kit
YJC50102NW (RUO)	Real-time PCR	Norovirus GI Real Time PCR Kit
YJC50304NW (RUO)	Real-time PCR	Norovirus GI/GII/Sapovirus Real Time PCR Kit
YJC50302NW (RUO)	Real-time PCR	Norovirus GI/Norovirus GII/Rotavirus Group A Real Time PCR Kit
YJC50103NW (RUO)	Real-time PCR	Norovirus GII Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10122NW (RUO)	Real-time PCR	Plesiomons Shigelloides Real Time PCR Kit
YJB20114NW (RUO)	Real-time PCR	Proteus Real Time PCR Kit
YJC50101NW (RUO)	Real-time PCR	Rotavirus Group A Real Time PCR Kit
YJC50204NW (RUO)	Real-time PCR	Rotavirus Group A/Astrovirus Real Time PCR Kit
YJC50301NW (RUO)	Real-time PCR	Rotavirus Group A/Group B/Group C Real Time PCR Kit
YJC50101-2NW (RUO)	Real-time PCR	Rotavirus Group B Real Time PCR Kit
YJC50101-3NW (RUO)	Real-time PCR	Rotavirus Group C Real Time PCR Kit
YJB10101NW (RUO)	Real-time PCR	Salmonella Real Time PCR Kit
YJB50301W (RUO)	Real-time PCR	Salmonella Typhi/Salmonella Paratyphi Real Time PCR Kit
YJB10302NW (RUO)	Real-time PCR	Salmonella/Shigella/Vibrio Cholerae Real Time PCR Kit
YJC50105NW (RUO)	Real-time PCR	Sapovirus Real Time PCR Kit
YJC50303NW (RUO)	Real-time PCR	Sapoviruses/Astroviruses/Enteric Adenoviruses Real Time PCR Kit
YJB10138NW (RUO)	Real-time PCR	Seagull Campylobacter Real Time PCR Kit
YJB10140NW (RUO)	Real-time PCR	Shigella Bacillus Real Time PCR Kit
YJB10102NW (RUO)	Real-time PCR	Shigella Real Time PCR Kit
YJB20117NW (RUO)	Real-time PCR	Staphylococcus Aureus Enterotoxin A (SEA) Real Time PCR Kit
YJB20118NW (RUO)	Real-time PCR	Staphylococcus Aureus Enterotoxin B (SEB) Real Time PCR Kit
YJB20119NW (RUO)	Real-time PCR	Staphylococcus Aureus Enterotoxin C (SEC) Real Time PCR Kit
YJB20120NW (RUO)	Real-time PCR	Staphylococcus Aureus Enterotoxin D (SED) Real Time PCR Kit
YJB20121W (RUO)	Real-time PCR	Staphylococcus Aureus Enterotoxin E (SEE) Real Time PCR Kit

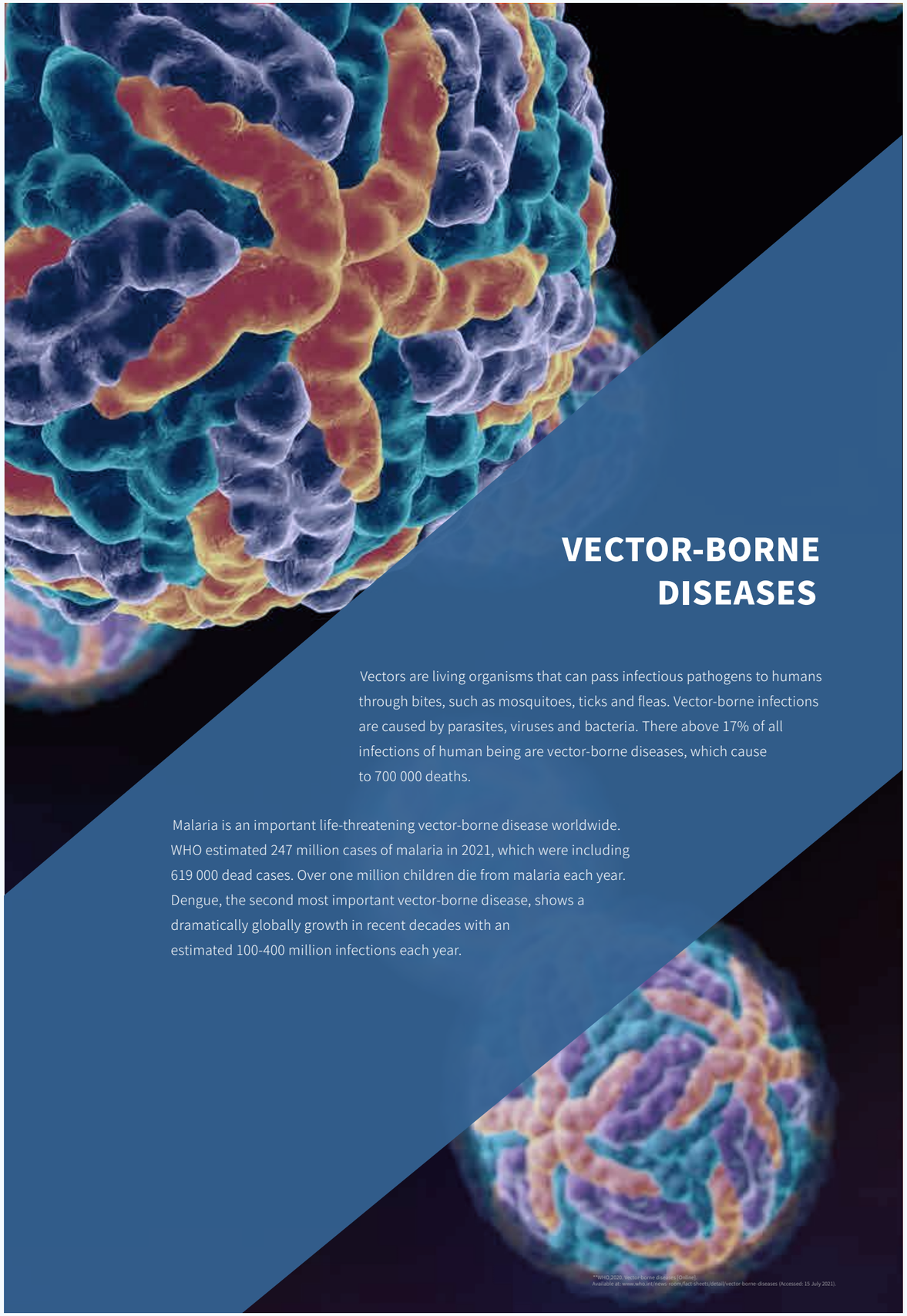
CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10125NW (RUO)	Real-time PCR	Vibrio Alginolyticus Real Time PCR Kit
YJB10115NW (RUO)	Real-time PCR	Vibrio Cholerae (CTX gene) Real Time PCR Kit
YJB10202NW (RUO)	Real-time PCR	Vibrio Cholerae (O1/O139) Real Time PCR Kit
YJB10136NW (RUO)	Real-time PCR	Vibrio Cholerae CTXB gene Real Time PCR Kit
YJB10105NW (RUO)	Real-time PCR	Vibrio Cholerae O1 Real Time PCR Kit
YJB10106NW (RUO)	Real-time PCR	Vibrio Cholerae O139 Real Time PCR Kit
YJB10119NW (RUO)	Real-time PCR	Vibrio Cholerae Real Time PCR Kit
YJB10139NW (RUO)	Real-time PCR	Vibrio Fluvialis Real Time PCR Kit
YJB10118NW (RUO)	Real-time PCR	Vibrio Mimicus Real Time PCR Kit
YJB10126NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus (TDH) Real Time PCR Kit
YJB10128NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus (TLH) Real Time PCR Kit
YJB10301NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus (TLH/TDH/TRH) Real Time PCR Kit
YJB10129NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus (ToxR) Real Time PCR Kit
YJB10127NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus (TRH) Real Time PCR Kit
YJB10108NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus Real Time PCR Kit
YJB30204NW (RUO)	Real-time PCR	Vibrio Parahaemolyticus/Vibrio Cholerae Real Time PCR Kit
YJB10116NW (RUO)	Real-time PCR	Vibrio Vulnificus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10109NW (RUO)	Real-time PCR	Yersinia Enterocolitica Real Time PCR Kit
YJB10701NW (RUO)	Real-time PCR	Yersinia Enterocolitica Virulence Gene Real Time PCR Kit
YJC10149W (RUO)	Real-time PCR	Enterovirus D-68 Real Time PCR Kit
YJC20119W (RUO)	Real-time PCR	Coxsackievirus A8 Real Time PCR Kit
YJC20120W (RUO)	Real-time PCR	Coxsackievirus A5 Real Time PCR Kit
YJC20121W (RUO)	Real-time PCR	Coxsackievirus A9 Real Time PCR Kit
YJC20122W (RUO)	Real-time PCR	Coxsackievirus A12 Real Time PCR Kit
YJC20123W (RUO)	Real-time PCR	Coxsackievirus A3 Real Time PCR Kit
YJC20124W (RUO)	Real-time PCR	Coxsackievirus A7 Real Time PCR Kit
YJC20125W (RUO)	Real-time PCR	Coxsackievirus A14 Real Time PCR Kit
YJC20203NW (RUO)	Real-time PCR	Coxsackievirus A16 and Enterovirus 71 Real Time PCR Kit
YJC20205NW (RUO)	Real-time PCR	Coxsackievirus A6 and A10 Real Time PCR Kit
YJC20208W (RUO)	Real-time PCR	Coxsackievirus A2 and A4 Real Time PCR Kit
YJC20209W (RUO)	Real-time PCR	Echovirus 11 and Enterovirus Real Time PCR Kit
YJC20210W (RUO)	Real-time PCR	Echovirus 11 and 30 Real Time PCR Kit
YJC20305W (RUO)	Real-time PCR	Coxsackievirus A4, A6 and A10 Real Time PCR Kit
YJC20402W (RUO)	Real-time PCR	Coxsackievirus B1, B2,B3 and B5 Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC20403W (RUO)	Real-time PCR	Coxsackievirus A2,A4, A8 and A10 Real Time PCR Kit
YJC20404W (RUO)	Real-time PCR	Coxsackievirus A6,A10,A16 and Enterovirus 71 Real Time PCR Ki
YJC20405W (RUO)	Real-time PCR	Coxsackievirus A6,A10,A16 and Enterovirus Real Time PCR Kit
YJC20406W (RUO)	Real-time PCR	Coxsackievirus A2,A5, A8 and B3 Real Time PCR Kit
YJC50121NW (RUO)	Real-time PCR	Rotavirus H Real Time PCR Kit
YJC50122NW (RUO)	Real-time PCR	Norovirus GIV Real Time PCR Kit
YJC50201NW (RUO)	Real-time PCR	Norovirus GI and GII Real Time PCR Kit
YJC50201N-GB	Real-time PCR	Norovirus GI and GII(GB) Real Time PCR Kit
YJC50305NW (RUO)	Real-time PCR	Rotavirus group A,Sapovirus and Enteric Adenoviruses Real Time PCR Kit
YJC50306NW (RUO)	Real-time PCR	Norovirus GI,GII and GIV Real Time PCR Kit
YJC50401W (RUO)	Real-time PCR	Norovirus GI,GII,Sapovirus and Rotavirus group A Real Time PCR Kit
YJC50402W (RUO)	Real-time PCR	Rotavirus group A,B,C and H Real Time PCR Kit
YJC160901NW (RUO)	Real-time PCR	Diarrhea virus Panel (9) Real Time PCR Kit
YJB10130NW (RUO)	Real-time PCR	Clostridium difficile Real Time PCR Kit
YJB10206NW (RUO)	Real-time PCR	Escherichia coli O157/H7 Real Time PCR Kit
YJB10207NW (RUO)	Real-time PCR	Vibrio Cholerae and Bacillus Cereus Real Time PCR Kit
YJB10208NW (RUO)	Real-time PCR	Campylobacter lari and Campylobacter upsaliensis Real Time PCR Kit
YJB10305NW (RUO)	Real-time PCR	Campylobacter jejuni, Campylobacter coli and Campylobacter lari Real Time PCR Kit
YJB10306NW (RUO)	Real-time PCR	Clostridium difficile tcdA/tcdB/tcdE Real Time PCR Kit
YJB10307NW (RUO)	Real-time PCR	Cronobacter spp.,Salmonella and Staphylococcus Aureus Real Time PCR Kit
YJB10308NW (RUO)	Real-time PCR	Vibrio Cholerae O1/O139 and Vibrio Parahaemolyticus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10309NW (RUO)	Real-time PCR	Vibrio fluvialis,Vibrio alginolyticus and Vibrio vulnificus Real Time PCR Kit
YJB10310NW (RUO)	Real-time PCR	Yersinia Enterocolitica serotype ail/foxA/O:3 Real Time PCR Kit
YJB10311NW (RUO)	Real-time PCR	Salmonella,Listeria monocytogenes and vibrio parahaemolyticus Real Time PCR Kit
YJB10401W (RUO)	Real-time PCR	Vibrio Cholerae O1/O139 and CTX Real Time PCR Kit
YJB10402W (RUO)	Real-time PCR	Vibrio Parahaemolyticus TDH/TDH/TRH/ToxR gene Real Time PCR Kit
YJB10403W (RUO)	Real-time PCR	Salmonella,Staphylococcus Aureus, Escherichia coli O157and Listeria monocytogenes Real Time PCR Kit
YJB10404W (RUO)	Real-time PCR	Vibrio, Enterobacter sakazakii, Shigella and Yersinia enterocolitica Real Time PCR Kit
YJB10405W (RUO)	Real-time PCR	Shigella dysenteriae, Shigella flexneri, Shigella boydii, Shigella sonnei Real Time PCR Kit
YJB10406W (RUO)	Real-time PCR	Vibrio fluvialis, Vibrio alginolyticus, Vibrio vulnificus and Vibrio mimicus Real Time PCR Kit
YJB20144NW (RUO)	Real-time PCR	Burkholderia gladioli and Burkholderia gladioli pv.cocoveneran bon gene Real Time PCR Kit
YJB20401W (RUO)	Real-time PCR	Botulinum toxin A/B/E/F gene Real Time PCR Kit
YJB40301NW (RUO)	Real-time PCR	Bacillus Cereus Toxin (Diarrhea/Vomiting) Real Time PCR Kit
YJB40302NW (RUO)	Real-time PCR	Bacillus Cereus, cronobacter spp. and staphylococcus aureus Real Time PCR Kit
YJB40401W (RUO)	Real-time PCR	Bacillus Cereus, clostridium perfringens, aeromonas hydrophila and campylobacteria Real Time PCR Kit
YJB50101NW (RUO)	Real-time PCR	Salmonella typhi Real Time PCR Kit
YJB50102NW (RUO)	Real-time PCR	Salmonella paratyphi A Real Time PCR Kit
YJB50103NW (RUO)	Real-time PCR	Salmonella paratyphi B Real Time PCR Kit
YJB50104NW (RUO)	Real-time PCR	Salmonella paratyphi C Real Time PCR Kit
YJB50105NW (RUO)	Real-time PCR	Salmonella paratyphi Real Time PCR Kit
YJB80102NW (RUO)	Real-time PCR	Bacillus pestis caf1 gene Real Time PCR Kit
YJB80103NW (RUO)	Real-time PCR	Bacillus pestis chro392 gene Real Time PCR Kit
YJB80201NW (RUO)	Real-time PCR	Bacillus pestis Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB80301NW (RUO)	Real-time PCR	Bacillus pestis pla,caf1 and ypo2008 gene Real Time PCR Kit
YJB80601NW (RUO)	Real-time PCR	Bacillus pestis, Francisella tularensis and Pasteurella multocida Real Time PCR Kit
YJB90801W (RUO)	Real-time PCR	Foodborne Pathogens panel(8) Real Time PCR Kit
YJB91201W (RUO)	Real-time PCR	Foodborne Pathogens panel(12) Real Time PCR Kit
YJB91401NW (RUO)	Real-time PCR	Foodborne Pathogens panel(14) Real Time PCR Kit
YJGP10105W (RUO)	Real-time PCR	Process control virus MS2 Real Time PCR Kit
YJC70101-1W (RUO)	Real-time PCR	Poliovirus Type 1 Real Time PCR Kit
YJC70301NW (RUO)	Real-time PCR	Poliovirus Type 1/Type 2/Type 3 Real Time PCR Kit
YJC70101-2W (RUO)	Real-time PCR	Poliovirus Type 2 Real Time PCR Kit
YJC70101-3W (RUO)	Real-time PCR	Poliovirus Type 3 Real Time PCR Kit
JC50108NW (RUO)	Real-time PCR	Norovirus Real Time PCR Kit
JB10201NW (RUO)	Real-time PCR	Salmonella & Shigella Real Time PCR Kit
YJB10154NW (RUO)	Real-time PCR	Sh.flexneri DNA Real Time PCR Kit
YJB10312NW (RUO)	Real-time PCR	Vibrio Cholerae (O1/O139) Real Time PCR Kit
YJC20118NW (RUO)	Real-time PCR	Echovirus type 11 Real Time PCR Kit
JC20101NW (RUO)	Real-time PCR	Enterovirus Real Time PCR Kit
JC20203NW (RUO)	Real-time PCR	CoxA16 & EV71 Real Time PCR Kit
JC20205NW (RUO)	Real-time PCR	Coxsackievirus A6 and A10 Real-Time PCR Kit
JC20303NW (RUO)	Real-time PCR	CoxA16 / EV71 / EV-U Real Time PCR Kit



VECTOR-BORNE DISEASES

Vectors are living organisms that can pass infectious pathogens to humans through bites, such as mosquitoes, ticks and fleas. Vector-borne infections are caused by parasites, viruses and bacteria. There above 17% of all infections of human being are vector-borne diseases, which cause to 700 000 deaths.

Malaria is an important life-threatening vector-borne disease worldwide. WHO estimated 247 million cases of malaria in 2021, which were including 619 000 dead cases. Over one million children die from malaria each year. Dengue, the second most important vector-borne disease, shows a dramatically globally growth in recent decades with an estimated 100-400 million infections each year.

**WHO,2020. Vector-borne diseases [Online].
Available at: www.who.int/news-room/fact-sheets/detail/vector-borne-diseases (Accessed: 15 July 2021).

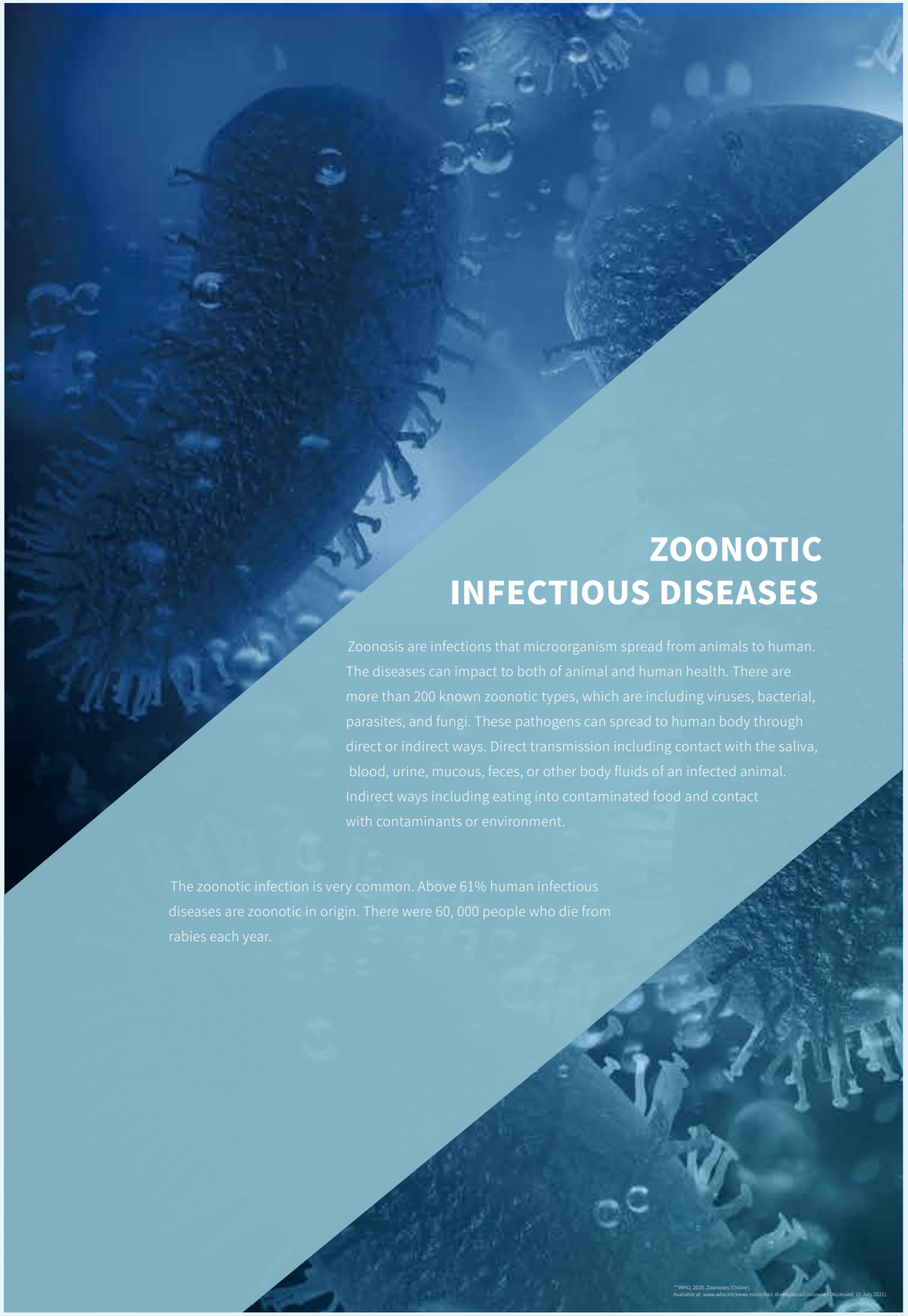
CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJW10106W (RUO)	Real-time PCR	Anaplasma Phagocytophilum Real Time PCR Kit
YJC40104NW (RUO)	Real-time PCR	Chikungunya Virus Real Time PCR Kit
YJC60110W (RUO)	Real-time PCR	Crimean-Congo Hemorrhagic Fever Virus (CCHFV) Real Time PCR Kit
YJC30101NW (RUO)	Real-time PCR	Dengue virus Real Time PCR Kit
YJC30401W (RUO)	Real-time PCR	Dengue Virus Genotyping Real Time PCR Kit
YJC30102NW (RUO)	Real-time PCR	Dengue Virus Type 1 Real Time PCR Kit
YJC30103NW (RUO)	Real-time PCR	Dengue Virus Type 2 Real Time PCR Kit
YJC30104NW (RUO)	Real-time PCR	Dengue Virus Type 3 Real Time PCR Kit
YJC30105NW (RUO	Real-time PCR	Dengue Virus Type 4 Real Time PCR Kit
YJC30301NW (RUO)	Real-time PCR	Dengue Virus/Type 1/Type 2 Real Time PCR Kit
YJC70116W (RUO)	Real-time PCR	Eastern Equine Encephalitis Virus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB30106NW (RUO)	Real-time PCR	Ehrlichia Real Time PCR Kit
YJC60123NW (RUO)	Real-time PCR	Heilongjiang Rickettsia Real Time PCR Kit
YJC70108NW (RUO)	Real-time PCR	Japanese Encephalitis Virus Real Time PCR Kit
YJC60115NW (RUO)	Real-time PCR	Junin Virus Real Time PCR Kit
YJC60111NW (RUO)	Real-time PCR	Lassa Fever Virus Real Time PCR Kit
YJC60116NW (RUO)	Real-time PCR	Machupo Virus Real Time PCR Kit
YJC60121NW (RUO)	Real-time PCR	Morse Rickettsia Real Time PCR Kit
YJB10137NW (RUO)	Real-time PCR	Paragonimus Real Time PCR Kit
YJW20103NW (RUO)	Real-time PCR	Plasmodium falciparum Real Time PCR Kit
YJW20601NW (RUO)	Real-time PCR	Plasmodium Genotyping Real Time PCR Kit
YJW20105NW (RUO)	Real-time PCR	Plasmodium malariae Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJW20201NW (RUO)	Real-time PCR	Plasmodium ovale (POC/POW) Real Time PCR Kit
YJW20106NW (RUO)	Real-time PCR	Plasmodium ovale Real Time PCR Kit
YJW20104NW (RUO)	Real-time PCR	Plasmodium vivax Real Time PCR Kit
YJC60120NW (RUO)	Real-time PCR	Platts Rickettsia Real Time PCR Kit
YJC60118NW (RUO)	Real-time PCR	Pumara Virus Real Time PCR Kit
YJC70111NW (RUO)	Real-time PCR	Rift Valley Fever Virus Real Time PCR Kit
YJC30107W (RUO)	Real-time PCR	Rose River Virus Real Time PCR Kit
YJC60117NW (RUO)	Real-time PCR	Saint Louis Encephalitis Virus Real Time PCR Kit
YJC30108NW (RUO)	Real-time PCR	Sandfly Fever Tuscana Virus Real Time PCR Kit
YJB30119NW (RUO)	Real-time PCR	Schistosomasis Real Time PCR Kit
YJC12123W (RUO)	Real-time PCR	Seneca Virus Real Time PCR Kit
YJC70107W (RUO)	Real-time PCR	Severe Fever with Thrombocytopenia Syndrome Bunyavirus (SFTSV)Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC70113W (RUO)	Real-time PCR	Tick-Borne Encephalitis Virus Real Time PCR Kit
YJC70109NW (RUO)	Real-time PCR	West Nile Virus Real Time PCR Kit
YJC70117W (RUO)	Real-time PCR	Western Equine Encephalitis Virus Real Time PCR Kit
YJB80101W (RUO)	Real-time PCR	Yersinia Pestis Real Time PCR Kit
YJC30106NW (RUO)	Real-time PCR	Zika Virus Real Time PCR Kit
YJC30205NW (RUO)	Real-time PCR	Zika Virus/Chikungunya Virus Real Time PCR Kit
YJC30204NW (RUO)	Real-time PCR	Zika Virus/Dengue Virus Real Time PCR Kit
YJC30302NW (RUO)	Real-time PCR	Zika Virus/Dengue Virus/Chikungunya Virus Real Time PCR Kit
YJC30109W (RUO)	Real-time PCR	Sindbis virus Real Time PCR Kit
YJC30110W (RUO)	Real-time PCR	Mosquito VGSC 1014 Real Time PCR Kit
YJC30202NW (RUO)	Real-time PCR	Dengue virus type1 and type2 Real Time PCR Kit
YJC30203NW (RUO)	Real-time PCR	Dengue virus type3 and type4 Real Time PCR Kit
YJC40106NW (RUO)	Real-time PCR	Nipah virus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC40107NW (RUO)	Real-time PCR	Yellow Fever Virus Real Time PCR Kit
YJC40301NW (RUO)	Real-time PCR	Measles virus,Rubella virus and Mumps virus Real Time PCR Kit
YJC60124W (RUO)	Real-time PCR	Hantavirus Real Time PCR Kit
YJC60125W (RUO)	Real-time PCR	Sin Nombre Virus Real Time PCR Kit
YJC60501NW (RUO)	Real-time PCR	Viral Encephalitis panel (5) Real Time PCR Kit
YJC70110W (RUO)	Real-time PCR	Ebola virus Real Time PCR Kit
YJC70202NW (RUO)	Real-time PCR	Ebola virus Real Time PCR Kit
YJC70304NW (RUO)	Real-time PCR	Dengue virus,Japanese encephalitis virus an West Nile virus Real Time PCR Kit
YJB10144W (RUO)	Real-time PCR	Bartonella Real Time PCR Kit
YJB10145NW (RUO)	Real-time PCR	Orientia tsutsugamushi Real Time PCR Kit
YJB60303NW (RUO)	Real-time PCR	Bacillus Anthracis pagA,cap and rpoB gene Real Time PCR Kit
YJW20102NW (RUO)	Real-time PCR	Plasmodium Real Time PCR Kit
YJW20107NW (RUO)	Real-time PCR	Plasmodium Knowlesi Real Time PCR Kit
YJW20301NW (RUO)	Real-time PCR	Parasitic encephalitis panel(3) Real Time PCR Kit



ZOONOTIC INFECTIOUS DISEASES

Zoonosis are infections that microorganism spread from animals to human. The diseases can impact to both of animal and human health. There are more than 200 known zoonotic types, which are including viruses, bacterial, parasites, and fungi. These pathogens can spread to human body through direct or indirect ways. Direct transmission including contact with the saliva, blood, urine, mucous, feces, or other body fluids of an infected animal. Indirect ways including eating into contaminated food and contact with contaminants or environment.

The zoonotic infection is very common. Above 61% human infectious diseases are zoonotic in origin. There were 60, 000 people who die from rabies each year.

**WHO, 2020. Zoonoses [Online]. Available at: www.who.int/news-room/fact-sheets/detail/zoonoses [Accessed: 15 July 2021].

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10117NW (RUO)	Real-time PCR	Aeromonas Hydrophila Real Time PCR Kit
YJW30101NW (RUO)	Real-time PCR	Angiostrongylus Cantonensis Real Time PCR Kit
YJB60101NW (RUO)	Real-time PCR	Bacillus Anthracis Real Time PCR Kit
YJC60113NW (RUO))	Real-time PCR	Borrelia Burgdorferi Real Time PCR Kit
YJB20124NW (RUO)	Real-time PCR	Burkholderia mallei Real Time PCR Kit
YJB20125NW (RUO)	Real-time PCR	Burkholderia Pseudomallei Real Time PCR Kit
YJC60114NW (RUO)	Real-time PCR	Chapare Virus Real Time PCR Kit
YJB10123NW (RUO)	Real-time PCR	Clostridium Perfringens Real Time PCR Kit
YJB20138NW (RUO)	Real-time PCR	Coccidioides Real Time PCR Kit
YJC60122NW (RUO)	Real-time PCR	Coxiella Burnetii Real Time PCR Kit
YJB20143NW (RUO)	Real-time PCR	Francisella Tularensis Real Time PCR Kit
YJC60101W (RUO)	Real-time PCR	Hantavirus (Hantaan) Real Time PCR Kit
YJC60129NW(RUO)	Real-time PCR	Andes virus Real Time PCR Kit
YJC60201NW (RUO	Real-time PCR	Hantavirus (Hantaan/Seoul) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC60102W (RUO)	Real-time PCR	Hantavirus (Seoul) Real Time PCR Kit
YJC70120NW (RUO)	Real-time PCR	Hendra Virus Real Time PCR Kit
YJB10107NW (RUO)	Real-time PCR	Listeria Monocytogenes Real Time PCR Kit
YJB11101NW (RUO)	Real-time PCR	Listeria Monocytogenes Virulence Gene Real Time PCR Kit
YJC70112NW (RUO)	Real-time PCR	Marburg Virus Real Time PCR Kit
YJC70115W (RUO)	Real-time PCR	Monkeypox Virus Real Time PCR Kit
YJB30120W (RUO)	Real-time PCR	Mycobacterium Bovis Real Time PCR Kit
YJC70105W (RUO)	Real-time PCR	Rabies Virus Real Time PCR Kit
YJC70105NW(RUO)	Real-time PCR	Rabies virus Real Time PCR Kit
YJC70121-1NW(RUO)	Real-time PCR	Bundibugyo ebolavirus Real Time PCR Kit
YJW30102NW (RUO)	Real-time PCR	Trichinella Spiralis Real Time PCR Kit
YJC70119NW (RUO)	Real-time PCR	Venezuelan Equine Encephalitis Virus Real Time PCR Kit
YJC12114W (RUO)	Real-time PCR	Vesicular Stomatitis Virus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB10121NW (RUO)	Real-time PCR	Yersinia Pseudotuberculosis Real Time PCR Kit
YJB10146NW (RUO)	Real-time PCR	Campylobacter fetus Real Time PCR Kit
YJB10147NW (RUO)	Real-time PCR	Campylobacter Uppsala Real Time PCR Kitt
YJB10148NW (RUO)	Real-time PCR	Mucormycosis Real Time PCR Kit
YJB10149NW (RUO)	Real-time PCR	Candida auris Real Time PCR Kit
YJB30101NW (RUO)	Real-time PCR	Leptospira Real Time PCR Kit
YJB30107W (RUO)	Real-time PCR	Streptococcus suis toxin CPS gene Real Time PCR Kit
YJB30206NW (RUO)	Real-time PCR	Aeromonas hydrophila and plesiomonas shigelloides Real Time PCR Kit
YJB70104NW (RUO)	Real-time PCR	Tetanus Bacilli Real Time PCR Kit
YJC70305NW (RUO)	Real-time PCR	Monkeypox Virus/Varicella-zoster Virus/Measles Virus Real Time PCR Kit
YJC70306NW (RUO)	Real-time PCR	Monkeypox Virus/Variola Virus/Measles Virus Real Time PCR Kit
YJC40110NW (RUO)	Real-time PCR	Langya henipavirus Real Time PCR Kit



DRUG RESISTANCE

Antimicrobial Resistance (AMR) is a condition that when bacteria, viruses, fungi and parasites become not respond to medicines or become resist to drugs. Once these microorganisms, especially bacteria, become resist to drugs, human health would be uncovered in danger because of infectious diseases more difficult or impossible to treatment.

Antibiotic resistance (AR) has become one of the highest threats for human health and food security globally. There were more than 2.8 million antibiotic-resistant infections in the USA which with 35, 000 deaths. 36.0% isolated E. coli were resistant to third generation cephalosporins and 12.11% observed S. aureus were resistant to methicillin among 49 countries in 2019.

**CDC.2019. Antibiotic Resistance Threatens Everyone [Online]. Available at: www.cdc.gov/drugresistance/index.html (Accessed: 15 July 2021).
WHO.,2020. Antimicrobial resistance [Online]. Available at: www.who.int/news-room/fact-sheets/detail/antimicrobial-resistance (Accessed: 15 July 2021).

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJB30202NW (RUO)	Real-time PCR	Carbapenem Antibiotic Resistance Gene Real Time PCR Kit
YJB10304NW (RUO)	Real-time PCR	Helicobacter Pylori and Toxin (VasA/CagA) Real Time PCR Kit
YJB10205NW (RUO)	Real-time PCR	Helicobacter Pylori Clarithromycin Resistance Gene Real Time PCR Kit
YJB20106W (RUO)	Real-time PCR	MRSA Real Time PCR Kit
YJB30104W (RUO)	Real-time PCR	NDM-1 Real Time PCR Kit



PRENATAL CARE

The tests of prenatal care are associate with pregnant, neonatal or infant and children health.Some pathogens can be spread from mother to baby during pregnantcy through umbilical cord, giving birth through genital track or feeding baby through milk or saliva. To detect these pathogens are important for improving the newborns' health.

IGFBP-1 and fFN genes can be found in amniotic fluids with high concentration, which can assist doctors to diagnosis premature rupture of fetal membranes in time.

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC70106NW (RUO)	Real-time PCR	Cytomegalovirus Real Time PCR Kit
YJC60106NW (RUO)	Real-time PCR	Epstein-Barr Virus Real Time PCR Kit
YJC60107NW (RUO)	Real-time PCR	Human herpes Virus Type 6 Real Time PCR Kit
YJC60108NW (RUO)	Real-time PCR	Human Herpes Virus Type 7 Real Time PCR Kit
YJC60109NW (RUO)	Real-time PCR	Human Herpes Virus Type 8 Real Time PCR Kit
YJW20101NW (RUO)	Real-time PCR	Toxoplasma Gondii Real Time PCR Kit
YJC40105NW (RUO)	Real-time PCR	Varicella-Zoster Virus Real Time PCR Kit
YJC60203NW (RUO)	Real-time PCR	Enterovirus and human herpes virus Real Time PCR Kit
YJB60112NW (RUO)	Real-time PCR	Mycoplasma genitalium Real Time PCR Kit
JC60106NW (RUO)	Real-time PCR	Epstein-Barr Virus Quantitation Real Time PCR Kit
JB20112NW (RUO)	Real-time PCR	Group B Streptococcus Real Time PCR Kit
JC70106NW (RUO)	Real-time PCR	Human Cytomegalovirus Real Time PCR Kit



VETERINARY TEST

By the benefits from its highly sensitivity and specificity, PCR tests can faster detect genes of pathogens from specimens than other methods, with very low microorganism loads and on an early stage of infections.

Veterinary PCR tests are designed for assists veterinarians to diagnosis specific for infected livestock and pets. Certain etiological pathogens is crucial to take effective action to prevent and control contagion. For example, to diagnosis some asymptomatic infections at the beginning could improve health and prevent infections for other closed animals. To discover infected livestock or fowls would control and block further contaminations without delay so that to minimize economic lost. To detect infected livestock or fowls before that into food market is also important for some veterinary diseases which also impact on human health, such as swine.

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC12112W (RUO)	Real-time PCR	Peste Des Petits Ruminants Virus Real Time PCR Kit
YJC12121W (RUO)	Real-time PCR	African swine Fever Virus Real Time PCR Kit
YJC12117W (RUO)	Real-time PCR	Avian Leukemia Virus Real Time PCR Kit
YJC12122W (RUO)	Real-time PCR	Bovine herpesvirus Type 1 Real Time PCR Kit
YJC12120W (RUO)	Real-time PCR	Bovine Leukemia Virus Real Time PCR Kit
YJB30121W (RUO)	Real-time PCR	Bovine Mycobacterium paratuberculosis Real Time PCR Kit
YJC12119W (RUO)	Real-time PCR	Bovine Viral Diarrhea Virus Real Time PCR Kit
YJB20115NW (RUO)	Real-time PCR	Brucella Real Time PCR Kit
YJC12118W (RUO)	Real-time PCR	Chicken Infectious Bronchitis Real Time PCR Kit
YJC12106W (RUO)	Real-time PCR	Foot-and-Mouth Disease Virus (A Serotype) Real Time PCR Kit
YJC12107W (RUO)	Real-time PCR	Foot-and-Mouth Disease Virus (Asia1 Serotype) Real Time PCR Kit
YJC12104W (RUO)	Real-time PCR	Foot-and-Mouth Disease Virus (FMDV) Real Time PCR Kit
YJC12105W (RUO)	Real-time PCR	Foot-and-Mouth Disease Virus (O Serotype) Real Time PCR Kit
YJC12113W (RUO)	Real-time PCR	Infectious Bursal Disease Virus Real Time PCR Kit
YJC12102W (RUO)	Real-time PCR	Newcastle Disease Virus Real Time PCR Kit
YJC12109W (RUO)	Real-time PCR	Porcine Circovirus Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC12110W (RUO)	Real-time PCR	Porcine Circovirus Type II Real Time PCR Kit
YJC12116W (RUO)	Real-time PCR	Porcine Epidemic Diarrhea Virus Real Time PCR Kit
YJC12115W (RUO)	Real-time PCR	Porcine Infectious Gastroenteritis Virus Real Time PCR Kit
YJC12111W (RUO)	Real-time PCR	Porcine Parvovirus Real Time PCR Kit
YJC12101W (RUO)	Real-time PCR	Porcine Reproductive and Respiratory Syndrome Virus Real Time PCR Kit
YJC12108W (RUO)	Real-time PCR	Pseudorabies Virus Real Time PCR Kit
YJB30109W (RUO)	Real-time PCR	S. suis extracellular protein factor (EPF) toxin gene Real Time PCR Kit
YJB30111W (RUO)	Real-time PCR	S. suis glutamate dehydrogenase (GDH) toxin gene Real Time PCR Kit
YJB30110W (RUO)	Real-time PCR	S. suis hemolysin (SLY) toxin gene Real Time PCR Kit
YJB30108W (RUO)	Real-time PCR	S. suis lysozyme releasing protein (MRP) toxin gene Real Time PCR Kit
YJC50111NW (RUO)	Real-time PCR	Sendai Virus Real Time PCR Kit
YJC14102W (RUO)	Real-time PCR	Shrimp Infectious Hypodermal and Hematopoietic Necrosis Virus) (IHHNV) Real Time PCR Kit
YJC14105W (RUO)	Real-time PCR	Shrimp Infectious Muscle Necrosis Virus (IMNV) Real Time PCR Kit
YJC14104W (RUO)	Real-time PCR	Shrimp Taura Syndrome Virus (TSV) Real Time PCR Kit
YJC14101W (RUO)	Real-time PCR	Shrimp White Spot Syndrome Virus (WSSV) Real Time PCR Kit

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJC14103W (RUO)	Real-time PCR	Shrimp Yellow Head Virus (YHV) Real Time PCR Kit
YJB30112W (RUO)	Real-time PCR	Streptococcus suis fibronectin/fibrin binding protein (FBPS) toxin gene Real Time PCR Kit
YJB30102W (RUO)	Real-time PCR	Streptococcus Suis Real Time PCR Kit
YJB30103W (RUO)	Real-time PCR	Streptococcus Suis Serotype 2 Real Time PCR Kit
YJB30205W (RUO)	Real-time PCR	Streptococcus Suis/Streptococcus Suis Type 2 Real Time PCR Kit
YJC12103W (RUO)	Real-time PCR	Swine Fever Virus (SFV) Real Time PCR Kit
YJC12124NW (RUO)	Real-time PCR	Canine Distemper Virus Real Time PCR Kit
YJC12125NW (RUO)	Real-time PCR	Canine Parvovirus Real Time PCR Kit
YJC12126NW (RUO)	Real-time PCR	Canine Coronavirus Real Time PCR Kit
YJC12127NW (RUO)	Real-time PCR	Feline panleukopenia virus Real Time PCR Kit
YJC12128NW (RUO)	Real-time PCR	Porcine Rotavirus Real Time PCR Kit
YJC12129W (RUO)	Real-time PCR	Bovine Adenovirus Real Time PCR Kit
YJC12130W (RUO)	Real-time PCR	Bovine Parvovirus Real Time PCR Kit
YJC12131W (RUO)	Real-time PCR	Bovine Reovirus Real Time PCR Kit
YJC12132W (RUO)	Real-time PCR	Bovine Parainfluenza Virus Real Time PCR Kit
YJC12201W (RUO)	Real-time PCR	Foot-and-mouth Disease Virus O and A Serotype Real Time PCR Kit
YJC12301W (RUO)	Real-time PCR	Foot-and-mouth Disease Virus O,A and Asia I Serotype Real Time PCR Kit



SPECIES IDENTIFICATION

Bioperfectus is a professional manufacturer supplying PCR kits. For satisfying various demands, we also supply specific genes PCR kits and non-diagnostic PCR kits for research and clinical use. This segmentation contains other diseases (not belong to other segmentation), specific genes, mutative genes.

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJW10103NW (RUO)	Real-time PCR	Bovine Species Real Time PCR Kit
YJW10112W (RUO)	Real-time PCR	Camel Species Real Time PCR Kit
YJW10109W (RUO)	Real-time PCR	Cat Species Real Time PCR Kit
YJW10107W (RUO)	Real-time PCR	Chicken Species Real Time PCR Kit
YJW10108W (RUO)	Real-time PCR	Dog Species Real Time PCR Kit
YJW10105W (RUO)	Real-time PCR	Duck Species Real Time PCR Kit
YJW10114W (RUO)	Real-time PCR	Fox Species Real Time PCR Kit
YJW10101W (RUO)	Real-time PCR	Goose Species Real Time PCR Kit
YJW10111W (RUO)	Real-time PCR	Horse Species Real Time PCR Kit
YJGP10102W (RUO)	Real-time PCR	Human ACTB Real Time PCR Kit
YJGP10101W (RUO)	Real-time PCR	Human GAPDH Real Time PCR Kit
YJC80101W (RUO)	Real-time PCR	Human Ribonuclease P Real Time PCR Kit (FAM)
YJC80102W (RUO)	Real-time PCR	Human Ribonuclease P Real Time PCR Kit (ROX)

CATALOG NO.	METHODOLOGY	PRODUCT NAME
YJGP10104W (RUO)	Real-time PCR	Human RPII gene Real Time PCR Kit
YJGP10103W (RUO)	Real-time PCR	Human TBP gene Real Time PCR Kit
YJP10101W (RUO)	Real-time PCR	Marijuana Species Real Time PCR Kit
YJW10113W (RUO)	Real-time PCR	Mink Species Real Time PCR Kit
YJW10116W (RUO)	Real-time PCR	Mouse Species Real Time PCR Kit
YJW10102NW (RUO)	Real-time PCR	Pig Species Real Time PCR Kit
YJW10110W (RUO)	Real-time PCR	Rabbit Species Real Time PCR Kit
YJW10115W (RUO)	Real-time PCR	Raccoon Species Real Time PCR Kit
YJW10104NW (RUO)	Real-time PCR	Sheep Species Real Time PCR Kit