

*A leading molecular diagnostic*

# *solution provider*

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# **RUO LIST**

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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](http://www.who.int/gard/publications/The_Global_Impact_of_Respiratory_Disease.pdf) (Accessed: 15 July 2021).  
WHO, 2021. WHO Coronavirus (COVID-19) Dashboard With Vaccine. [Online]. Available at: [covid19.who.int/](https://covid19.who.int/) (Accessed: 15 July 2021)

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

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

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

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

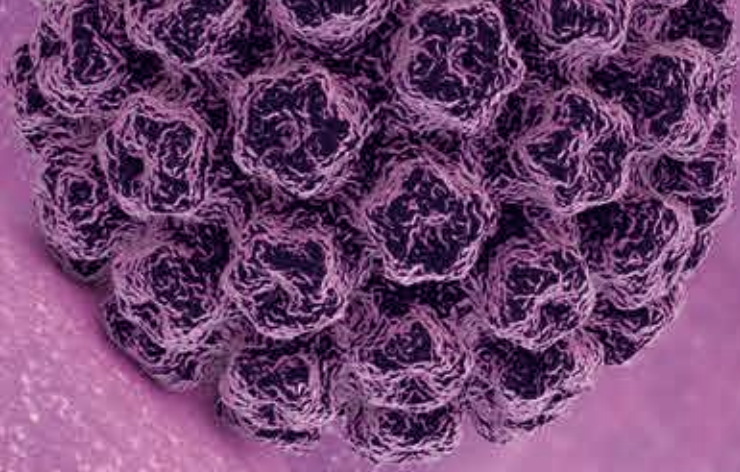
| CATALOG NO.       | METHODOLOGY   | PRODUCT NAME                                                                 |
|-------------------|---------------|------------------------------------------------------------------------------|
| YJC10401W (RUO)   | Real-time PCR | Middle East Respiratory Syndrome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

| CATALOG NO.      | METHODOLOGY   | PRODUCT NAME                                                                     |
|------------------|---------------|----------------------------------------------------------------------------------|
| YJC40102W (RUO)  | Real-time PCR | Rubella Virus<br>Real Time PCR Kit                                               |
| YJC10128 W (RUO) | Real-time PCR | Severe Acute Respiratory Syndromes Coronavirus (SARS-CoV)<br>Real Time PCR Kit   |
| YJC40109NW (RUO) | Real-time PCR | Smallpox Virus<br>Real Time PCR Kit                                              |
| YJB20101NW (RUO) | Real-time PCR | Staphylococcus Aureus<br>Real Time PCR Kit                                       |
| YJB20140NW (RUO) | Real-time PCR | Stenotrophomonas Maltophilia<br>Real Time PCR Kit                                |
| YJB20103NW (RUO) | Real-time PCR | Streptococcus Pneumoniae<br>Real Time PCR Kit                                    |
| YJC10306W (RUO)  | Real-time PCR | Victoria/Yamagata/Influenza B Virus<br>Real Time PCR Kit                         |
| YJC10134W (RUO)  | Real-time PCR | Influenza A Virus (N6)<br>Real Time PCR Kit                                      |
| YJC10155W (RUO)  | Real-time PCR | Coronavirus<br>Real Time PCR Kit                                                 |
| YJC10158NW (RUO) | Real-time PCR | Eurasian avian-like H1N1 swine influenza viruses<br>Real Time PCR Kit            |
| YJC10159NW (RUO) | Real-time PCR | Adenovirus type 55<br>Real Time PCR Kit                                          |
| YJC10202W (RUO)  | Real-time PCR | Influenza virus A and Influenza virus B<br>Real Time PCR Kit                     |
| YJC10215W (RUO)  | Real-time PCR | Avian Influenza Virus (H5N2)<br>Real Time PCR Kit                                |
| YJC10225NW (RUO) | Real-time PCR | Avian Influenza Virus (H10N3)<br>Real Time PCR Kit                               |
| YJC10230W (RUO)  | Real-time PCR | Avian Influenza Virus (H3N8)<br>Real Time PCR Kit                                |
| YJC10308NW (RUO) | Real-time PCR | COVID-19 Coronavirus (ORF1ab/N/E)<br>Real Time PCR Kit                           |
| YJC10311W (RUO)  | Real-time PCR | Influenza virus A and Influenza virus B<br>Real Time PCR Kit                     |
| YJC10312W (RUO)  | Real-time PCR | Human Rhinovirus,Human Respiratory Syncytial and Adenovirus<br>Real Time PCR Kit |
| YJC10313NW (RUO) | Real-time PCR | H7/N9/HPAI-H7 Avian Influenza Virus<br>Real Time PCR Kit                         |
| YJC10317NW (RUO) | Real-time PCR | Victoria/Yamagata and Influenza virus A<br>Real Time PCR Kit                     |
| YJC10405W (RUO)  | Real-time PCR | Avian Influenza Virus H5/H7/H9<br>Real Time PCR Kit                              |
| YJC10406W (RUO)  | Real-time PCR | Avian Influenza Virus N1/N2/N6/N9<br>Real Time PCR Kit                           |

| CATALOG NO.       | METHODOLOGY   | PRODUCT NAME                                                                                            |
|-------------------|---------------|---------------------------------------------------------------------------------------------------------|
| YJC10408W (RUO)   | Real-time PCR | Human Rhinovirus, Human Metapneumovirus,Human Respiratory Syncytial and Adenovirus<br>Real Time PCR Kit |
| YJC10409W (RUO)   | Real-time PCR | Influenza virus A,Influenza virus B,Human Respiratory Syncytial and Adenovirus<br>Real Time PCR Kit     |
| YJC10410W (RUO)   | Real-time PCR | Victoria/Yamagata,Influenza virus A and Influenza virus B<br>Real Time PCR Kit                          |
| YJC10701W (RUO)   | Real-time PCR | Human Coronavirus genotype<br>Real Time PCR Kit                                                         |
| YJC12133W (RUO)   | Real-time PCR | Adenovirus E1A Gene<br>Real Time PCR Kit                                                                |
| YJC12134W (RUO)   | Real-time PCR | Adenovirus RCA Gene<br>Real Time PCR Kit                                                                |
| YJC50112NW (RUO)  | Real-time PCR | Adenovirus type4<br>Real Time PCR Kit                                                                   |
| YJC50113NW (RUO)  | Real-time PCR | Adenovirus type1<br>Real Time PCR Kit                                                                   |
| YJC50114NW (RUO)  | Real-time PCR | Adenovirus type2<br>Real Time PCR Kit                                                                   |
| YJC50115NW (RUO)  | Real-time PCR | Adenovirus type5<br>Real Time PCR Kit                                                                   |
| YJC50116NW (RUO)  | Real-time PCR | Adenovirus type14<br>Real Time PCR Kit                                                                  |
| YJC50117NW (RUO)  | Real-time PCR | Adenovirus type21<br>Real Time PCR Kit                                                                  |
| YJC50118NW (RUO)  | Real-time PCR | Adenovirus type 35<br>Real Time PCR Kit                                                                 |
| YJC50119NW (RUO)  | Real-time PCR | Adenovirus type 41<br>Real Time PCR Kit                                                                 |
| YJC50120NW (RUO)  | Real-time PCR | Adenovirus type 11<br>Real Time PCR Kit                                                                 |
| YJC150501NW (RUO) | Real-time PCR | Respiratory Panel Assays (5)<br>Real Time PCR Kit                                                       |
| YJC150601W (RUO)  | Real-time PCR | Respiratory Panel Assays (6)<br>Real Time PCR Kit                                                       |
| YJC150901W (RUO)  | Real-time PCR | Respiratory Panel Assays (9)<br>Real Time PCR Kit                                                       |
| YJC151001NW (RUO) | Real-time PCR | Respiratory Panel Assays (10)<br>Real Time PCR Kit                                                      |

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

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



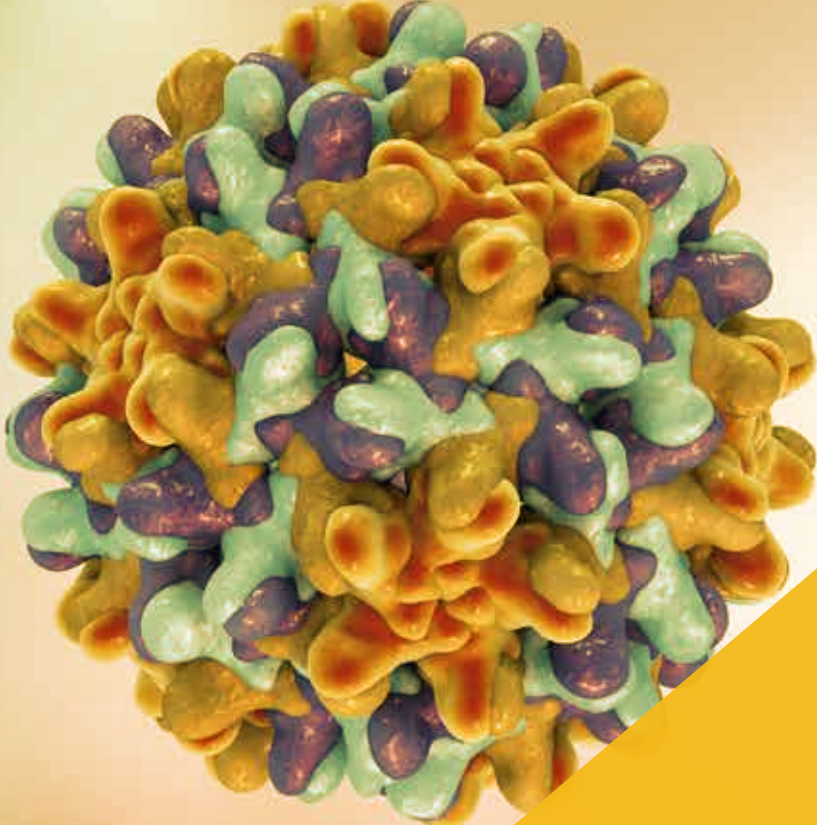
# SEXUALLY TRANSMITTED DISEASES

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](https://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<br>JC80403-NWO-50T | Real-time PCR | Human Papillomavirus<br>Real Time PCR Kit                                              |
| YJB60111NW (RUO)                  | Real-time PCR | Candida Albicans<br>Real Time PCR Kit                                                  |
| YJC60105NW (RUO)                  | Real-time PCR | Herpes Simplex Virus<br>Real Time PCR Kit                                              |
| YJC60202NW (RUO)                  | Real-time PCR | Herpes Simplex Virus Type 1 / Type 2<br>Real Time PCR Kit                              |
| YJC60105-1NW (RUO)                | Real-time PCR | Herpes Simplex Virus Type 1<br>Real Time PCR Kit                                       |
| YJC60105-2NW (RUO)                | Real-time PCR | Herpes Simplex Virus Type 2<br>Real Time PCR Kit                                       |
| YJC13101NW (RUO)                  | Real-time PCR | HIV Type 1(HIV-1)<br>Real Time PCR Kit                                                 |
| YJC13102NW (RUO)                  | Real-time PCR | HIV Type 2 (HIV-2)<br>Real Time PCR Kit                                                |
| YJB60302NW (RUO)                  | Real-time PCR | Mycoplasma Genitalium, Mycoplasma Hominis/<br>Ureaplasma Urealyticum Real Time PCR Kit |
| YJB60108NW (RUO)                  | Real-time PCR | Treponema Pallidum<br>Real Time PCR Kit                                                |
| YJB60110NW (RUO)                  | Real-time PCR | Trichomonas Vaginalis<br>Real Time PCR Kit                                             |
| JC70104NW (RUO)                   | Real-time PCR | Hepatitis B Virus<br>Real Time PCR Kit (RUO)                                           |
| JC70114NW (RUO)                   | Real-time PCR | Hepatitis C Virus<br>Real Time PCR Kit (RUO)                                           |
| JB60301NW (RUO)                   | Real-time PCR | Neisseria Gonorrhoeae/Chlamydia Trachomatis/<br>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](http://www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease) (Accessed: 15 July 2023).

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

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

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

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

|                  |               |                                                              |
|------------------|---------------|--------------------------------------------------------------|
| YJB10125NW (RUO) | Real-time PCR | Vibrio Alginolyticus<br>Real Time PCR Kit                    |
| YJB10115NW (RUO) | Real-time PCR | Vibrio Cholerae (CTX gene)<br>Real Time PCR Kit              |
| YJB10202NW (RUO) | Real-time PCR | Vibrio Cholerae (O1/O139)<br>Real Time PCR Kit               |
| YJB10136NW (RUO) | Real-time PCR | Vibrio Cholerae CTXB gene<br>Real Time PCR Kit               |
| YJB10105NW (RUO) | Real-time PCR | Vibrio Cholerae O1<br>Real Time PCR Kit                      |
| YJB10106NW (RUO) | Real-time PCR | Vibrio Cholerae O139<br>Real Time PCR Kit                    |
| YJB10119NW (RUO) | Real-time PCR | Vibrio Cholerae<br>Real Time PCR Kit                         |
| YJB10139NW (RUO) | Real-time PCR | Vibrio Fluvialis<br>Real Time PCR Kit                        |
| YJB10118NW (RUO) | Real-time PCR | Vibrio Mimicus<br>Real Time PCR Kit                          |
| YJB10126NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus (TDH)<br>Real Time PCR Kit           |
| YJB10128NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus (TLH)<br>Real Time PCR Kit           |
| YJB10301NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus (TLH/TDH/TRH)<br>Real Time PCR Kit   |
| YJB10129NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus (ToxR)<br>Real Time PCR Kit          |
| YJB10127NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus (TRH)<br>Real Time PCR Kit           |
| YJB10108NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus<br>Real Time PCR Kit                 |
| YJB30204NW (RUO) | Real-time PCR | Vibrio Parahaemolyticus/Vibrio Cholerae<br>Real Time PCR Kit |
| YJB10116NW (RUO) | Real-time PCR | Vibrio Vulnificus<br>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](http://www.who.int/news-room/fact-sheets/detail/vector-borne-diseases) (Accessed: 15 July 2021).

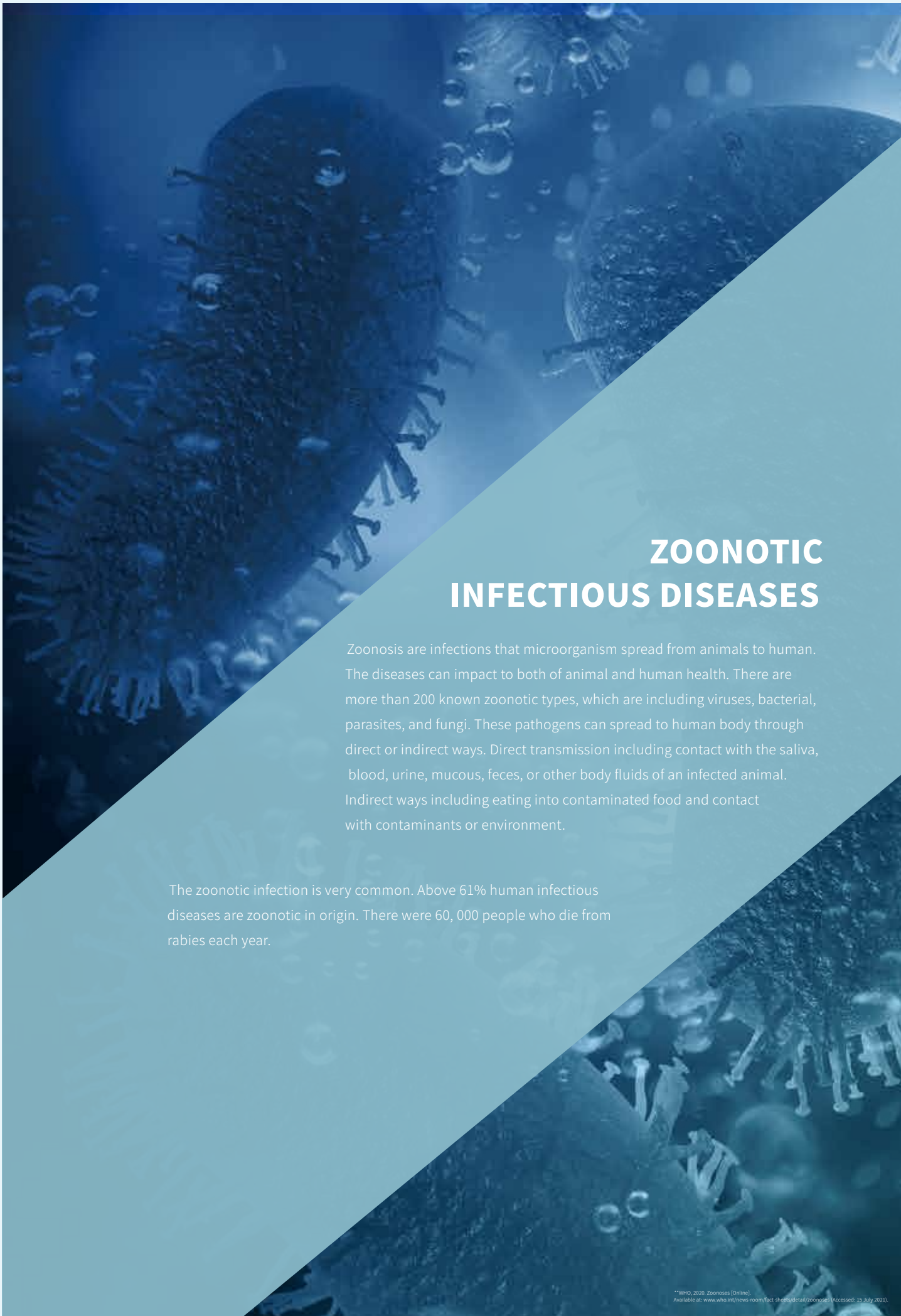
| CATALOG NO.      | METHODOLOGY   | PRODUCT NAME                                                    |
|------------------|---------------|-----------------------------------------------------------------|
| YJW10106W (RUO)  | Real-time PCR | Anaplasma Phagocytophilum Real Time PCR Kit                     |
| 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<br>Real Time PCR Kit                   |
| YJC60123NW (RUO) | Real-time PCR | Heilongjiang Rickettsia<br>Real Time PCR Kit     |
| YJC70108NW (RUO) | Real-time PCR | Japanese Encephalitis Virus<br>Real Time PCR Kit |
| YJC60115NW (RUO) | Real-time PCR | Junin Virus<br>Real Time PCR Kit                 |
| YJC60111NW (RUO) | Real-time PCR | Lassa Fever Virus<br>Real Time PCR Kit           |
| YJC60116NW (RUO) | Real-time PCR | Machupo Virus<br>Real Time PCR Kit               |
| YJC60121NW (RUO) | Real-time PCR | Morse Rickettsia<br>Real Time PCR Kit            |
| YJB10137NW (RUO) | Real-time PCR | Paragonimus<br>Real Time PCR Kit                 |
| YJW20103NW (RUO) | Real-time PCR | Plasmodium falciparum<br>Real Time PCR Kit       |
| YJW20601NW (RUO) | Real-time PCR | Plasmodium Genotyping<br>Real Time PCR Kit       |
| YJW20105NW (RUO) | Real-time PCR | Plasmodium malariae<br>Real Time PCR Kit         |

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

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

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

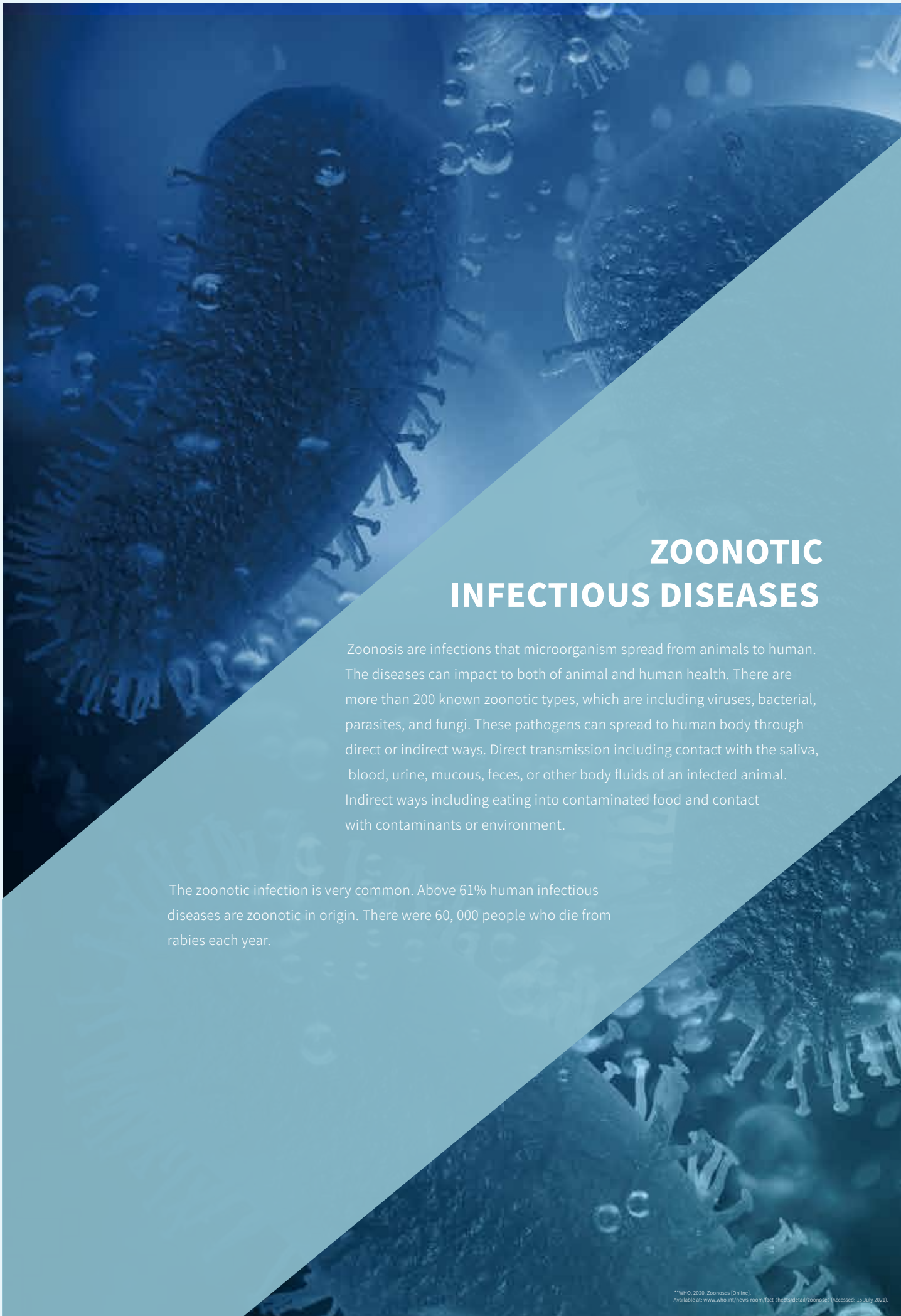
The background of the entire page is a microscopic image showing various viruses and bacteria. Some are spherical with spikes, while others are more complex, filamentous structures. The image is overlaid with a diagonal light blue band that serves as a background for the text.

## 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](http://www.who.int/news-room/fact-sheets/detail/zoonoses) (Accessed: 15 July 2021).

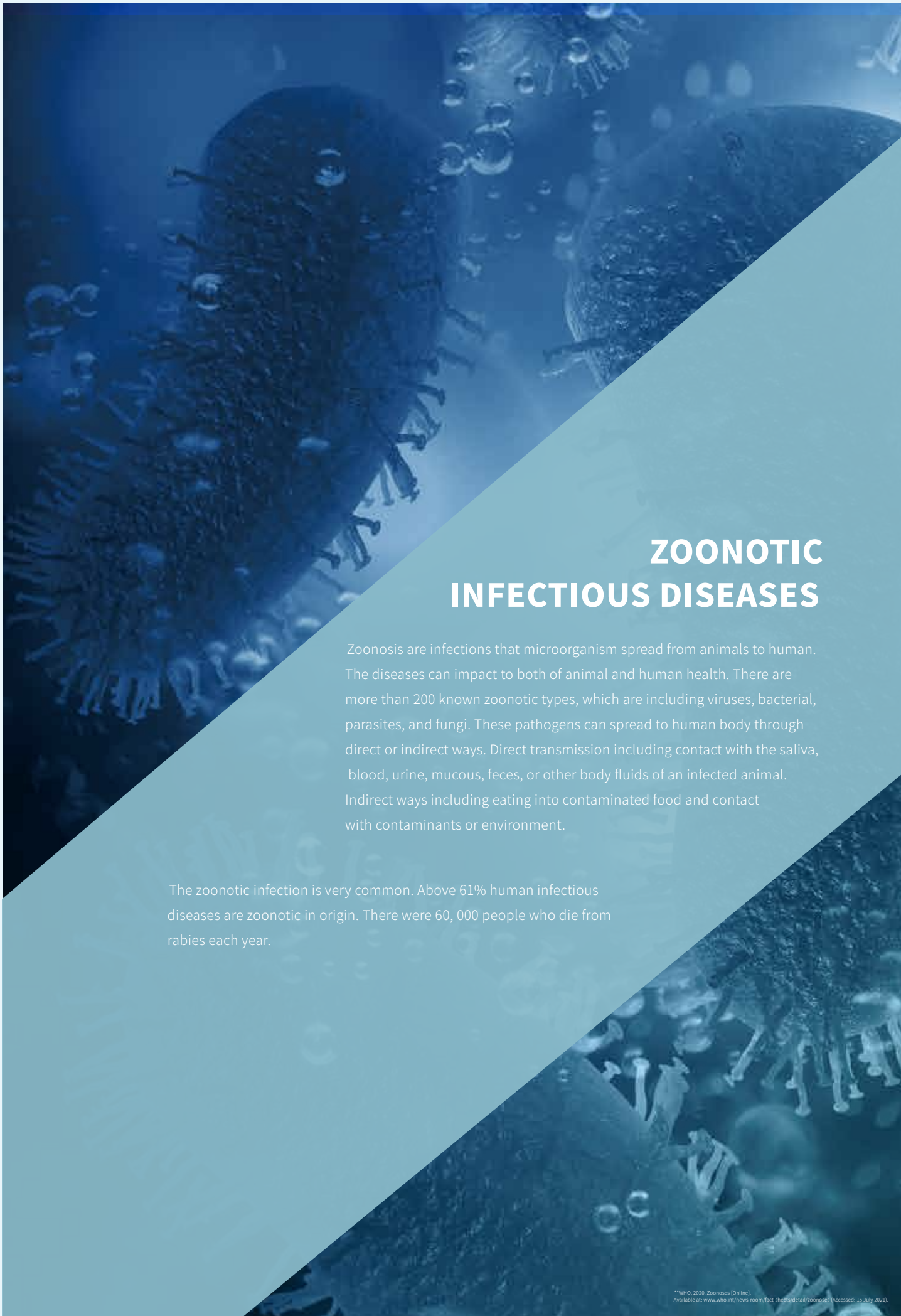
A microscopic image of a virus particle, likely a coronavirus, is shown in the background. The virus has a spherical shape with a textured surface and a distinct outer layer. The image is overlaid with a blue gradient that transitions from dark blue at the top to a lighter blue at the bottom. The text is white and positioned on the right side of the image.

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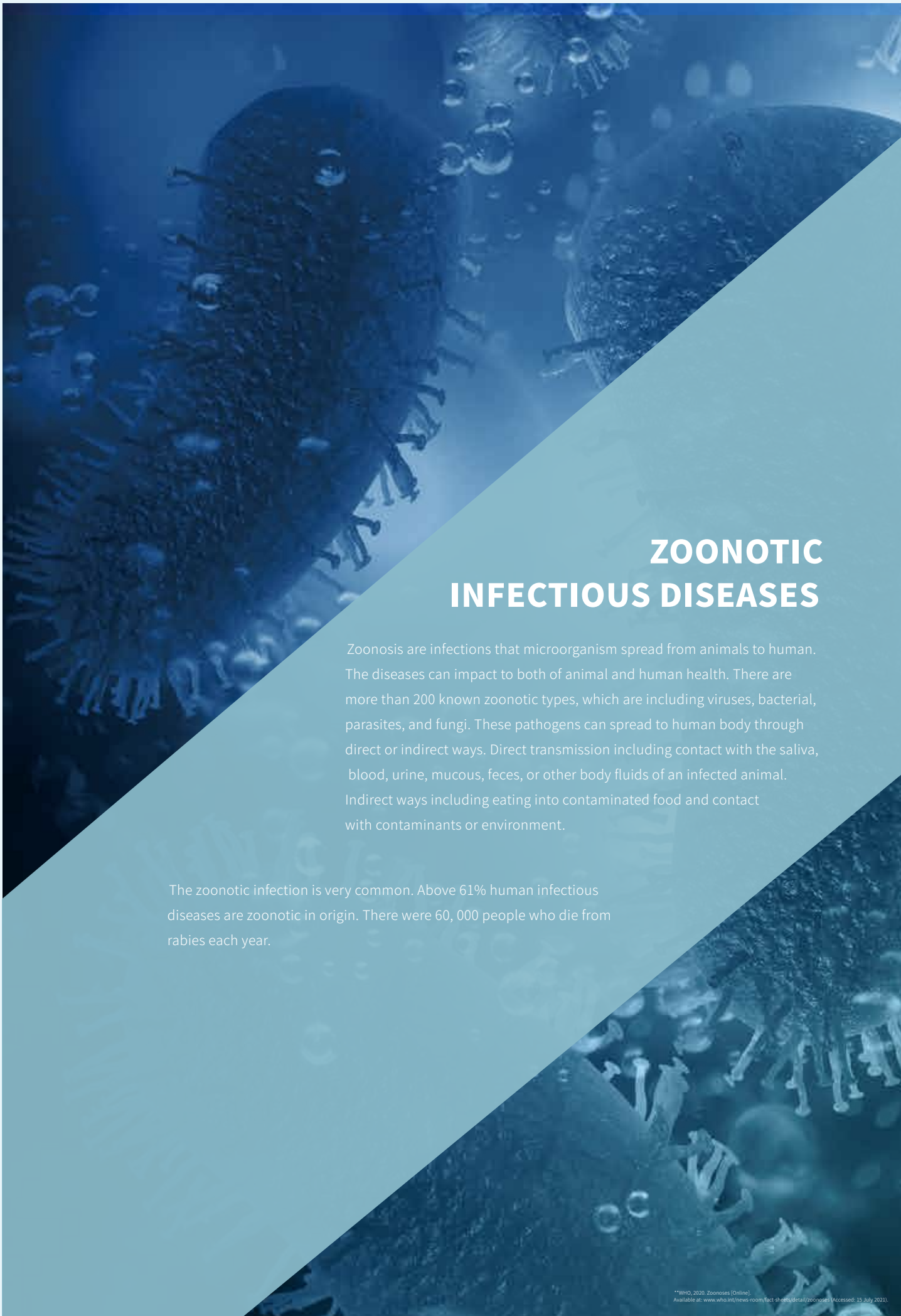
The background of the entire page is a microscopic image showing various viruses and bacteria. Some are spherical with spikes, while others are more complex, filamentous structures. The image is rendered in shades of blue and white, giving it a scientific and clinical feel. A diagonal light blue band cuts across the page from the bottom left to the top right, serving as a background for the title and the first paragraph.

# ZOO NOTIC INFECTIOUS DISEASES

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A microscopic image of a virus particle, likely a coronavirus, showing its characteristic spherical shape and surface spikes. The image is overlaid with a blue gradient that transitions from dark blue on the left to a lighter blue on the right, where the text is located. The background is a dark, textured blue, suggesting a microscopic environment.

## ZOONOTIC INFECTIOUS DISEASES

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

| CATALOG NO.      | METHODOLOGY   | PRODUCT NAME                                                              |
|------------------|---------------|---------------------------------------------------------------------------|
| YJB10121NW (RUO) | Real-time PCR | Yersinia Pseudotuberculosis<br>Real Time PCR Kit                          |
| YJB10146NW (RUO) | Real-time PCR | Campylobacter fetus<br>Real Time PCR Kit                                  |
| YJB10147NW (RUO) | Real-time PCR | Campylobacter Uppsala<br>Real Time PCR Kitt                               |
| YJB10148NW (RUO) | Real-time PCR | Mucormycosis<br>Real Time PCR Kit                                         |
| YJB10149NW (RUO) | Real-time PCR | Candida auris<br>Real Time PCR Kit                                        |
| YJB30101NW (RUO) | Real-time PCR | Leptospira<br>Real Time PCR Kit                                           |
| YJB30107W (RUO)  | Real-time PCR | Streptococcus suis toxin CPS gene<br>Real Time PCR Kit                    |
| YJB30206NW (RUO) | Real-time PCR | Aeromonas hydrophila and plesiomonas shigelloides<br>Real Time PCR Kit    |
| YJB70104NW (RUO) | Real-time PCR | Tetanus Bacilli<br>Real Time PCR Kit                                      |
| YJC70305NW (RUO) | Real-time PCR | Monkeypox Virus/Varicella-zoster Virus/Measles<br>Virus Real Time PCR Kit |
| YJC70306NW (RUO) | Real-time PCR | Monkeypox Virus/Variola Virus/Measles Virus<br>Real Time PCR Kit          |
| YJC40110NW (RUO) | Real-time PCR | Langya henipavirus<br>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](http://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](http://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 pregnancy 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<br>Real Time PCR Kit                    |
| YJC60106NW (RUO) | Real-time PCR | Epstein-Barr Virus<br>Real Time PCR Kit                 |
| YJC60107NW (RUO) | Real-time PCR | Human herpes Virus Type 6<br>Real Time PCR Kit          |
| YJC60108NW (RUO) | Real-time PCR | Human Herpes Virus Type 7<br>Real Time PCR Kit          |
| YJC60109NW (RUO) | Real-time PCR | Human Herpes Virus Type 8<br>Real Time PCR Kit          |
| YJW20101NW (RUO) | Real-time PCR | Toxoplasma Gondii<br>Real Time PCR Kit                  |
| YJC40105NW (RUO) | Real-time PCR | Varicella-Zoster Virus<br>Real Time PCR Kit             |
| YJC60203NW (RUO) | Real-time PCR | Enterovirus and human herpes virus<br>Real Time PCR Kit |
| YJB60112NW (RUO) | Real-time PCR | Mycoplasma genitalium<br>Real Time PCR Kit              |
| JC60106NW (RUO)  | Real-time PCR | Epstein-Barr Virus Quantitation<br>Real Time PCR Kit    |
| JB20112NW (RUO)  | Real-time PCR | Group B Streptococcus<br>Real Time PCR Kit              |
| JC70106NW (RUO)  | Real-time PCR | Human Cytomegalovirus<br>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<br>Real Time PCR Kit              |
| YJC12121W (RUO)  | Real-time PCR | African swine Fever Virus<br>Real Time PCR Kit                     |
| YJC12117W (RUO)  | Real-time PCR | Avian Leukemia Virus<br>Real Time PCR Kit                          |
| YJC12122W (RUO)  | Real-time PCR | Bovine herpesvirus Type 1<br>Real Time PCR Kit                     |
| YJC12120W (RUO)  | Real-time PCR | Bovine Leukemia Virus<br>Real Time PCR Kit                         |
| YJB30121W (RUO)  | Real-time PCR | Bovine Mycobacterium paratuberculosis<br>Real Time PCR Kit         |
| YJC12119W (RUO)  | Real-time PCR | Bovine Viral Diarrhea Virus<br>Real Time PCR Kit                   |
| YJB20115NW (RUO) | Real-time PCR | Brucella<br>Real Time PCR Kit                                      |
| YJC12118W (RUO)  | Real-time PCR | Chicken Infectious Bronchitis<br>Real Time PCR Kit                 |
| YJC12106W (RUO)  | Real-time PCR | Foot-and-Mouth Disease Virus (A Serotype)<br>Real Time PCR Kit     |
| YJC12107W (RUO)  | Real-time PCR | Foot-and-Mouth Disease Virus (Asia1 Serotype)<br>Real Time PCR Kit |
| YJC12104W (RUO)  | Real-time PCR | Foot-and-Mouth Disease Virus (FMDV)<br>Real Time PCR Kit           |
| YJC12105W (RUO)  | Real-time PCR | Foot-and-Mouth Disease Virus (O Serotype)<br>Real Time PCR Kit     |
| YJC12113W (RUO)  | Real-time PCR | Infectious Bursal Disease Virus<br>Real Time PCR Kit               |
| YJC12102W (RUO)  | Real-time PCR | Newcastle Disease Virus<br>Real Time PCR Kit                       |
| YJC12109W (RUO)  | Real-time PCR | Porcine Circovirus<br>Real Time PCR Kit                            |

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

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



| 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     |