



**NZYtech**  
genes & enzymes



## VET, FOOD & PHARMA

NZYTech provides a vast range of qPCR kits for the veterinary, food, and pharmaceutical industries. At NZYTech we understand the unique challenges faced by these industries, and our qPCR kits are specifically designed to meet those needs. Our kits offer exceptional sensitivity and specificity, making them ideal for a wide range of applications, including pathogen detection and quality control.

NZYTech provides a vast range of qPCR kits for the veterinary, food and pharmaceutical industries. Our products allow the improvement of health and well-being of animals, and ensure the safety and quality of consumer goods.

## VETERINARY & AGRICULTURE

We are pleased to announce that our 2023/2024 catalogue includes an updated category of qPCR kits designed for veterinary and agricultural applications. These NZYTech kits are optimized to detect a wide range of veterinary and agricultural pathogens that can affect the health and productivity of animals and crops. Developed using the latest advancements in molecular biology, our qPCR kits deliver accurate and reliable results using various sample types, including blood, faeces, tissues and environmental samples, enabling early detection and monitoring of infectious diseases. In veterinary medicine, qPCR testing plays a critical role in the diagnosis and surveillance of infectious diseases in animals. Early detection of infectious diseases can enable rapid and appropriate treatment, helping to prevent disease spread and improve animal welfare. In addition, qPCR testing can be used to monitor the effectiveness of disease control measures and track the emergence of new pathogens. In agriculture, qPCR testing has become an important tool for monitoring the health and productivity of crops. By detecting and quantifying pathogen DNA or RNA, qPCR testing can identify diseases in crops before symptoms become apparent, allowing for early intervention to prevent yield loss and reduce the use of pesticides. Backed by our team of experienced scientists, NZYTech's qPCR kits support the health and productivity of animals and crops, providing innovative solutions for timely and accurate diagnosis.

Catalogue number	Product name	Number of reactions
MD05941	Actinobacillus pleuropneumoniae qPCR Kit	100 reactions
MD05141	Aeromonas salmonicida qPCR Kit	100 reactions
MD05121	African Swine Fever virus qPCR Kit	100 reactions
MD05961	Ascosphaera apis qPCR Kit	100 reactions
MD05661	Avian Infectious Bronchitis virus RT-qPCR Kit	100 reactions
MD05741	Avian orthoreovirus RT-qPCR Kit	100 reactions
MD05151	Bartonella henselae qPCR Kit	100 reactions
MD05971	Bartonella spp. qPCR Kit	100 reactions
MD05981	Batrachochytrium dendrobatidis qPCR Kit	100 reactions
MD05991	Bovine coronavirus RT-qPCR Kit	100 reactions
MD05161	Bovine herpesvirus 1 qPCR Kit	100 reactions
MD05651	Bovine Leukemia virus RT-qPCR Kit	100 reactions
MD06001	Bovine nebovirus RT-qPCR Kit	100 reactions
MD06011	Bovine norovirus RT-qPCR Kit	100 reactions
MD06021	Bovine Parainfluenza virus 3 RT-qPCR Kit	100 reactions

## VETERINARY & AGRICULTURE (CONT.)

Catalogue number	Product name	Number of reactions
MD05371	Bovine parvovirus qPCR Kit	100 reactions
MD06031	Bovine Respiratory Syncytial virus RT-qPCR Kit	100 reactions
MD06041	Bovine torovirus RT-qPCR Kit	100 reactions
MD06051	Brachyspira hyodysenteriae & Brachyspira pilosicoli qPCR Kit	100 reactions
MD06061	Brachyspira hyodysenteriae qPCR Kit	100 reactions
MD06071	Brachyspira pilosicoli qPCR Kit	100 reactions
MD05401	Brucella spp. qPCR Kit	100 reactions
MD05551	Campylobacter fetus qPCR Kit	100 reactions
MD05751	Canine Distemper virus RT-qPCR Kit	100 reactions
MD05181	Canine Herpes virus qPCR Kit	100 reactions
MD06091	Caprine Arthritis Encephalitis virus RT-qPCR Kit	100 reactions
MD05361	Chlamydophila psittaci qPCR Kit	100 reactions
MD06101	Classical Swine Fever virus RT-qPCR Kit	100 reactions
MD06121	Corynebacterium pseudotuberculosis qPCR Kit	100 reactions
MD05381	Cryptosporidium parvum qPCR Kit	100 reactions
MD06221	Dichelobacter nodosus & Fusobacter necrophorum qPCR Kit	100 reactions
MD06131	Echinococcus multilocularis qPCR Kit	100 reactions
MD05191	Ehrlichia canis qPCR Kit	100 reactions
MD06141	Encephalomyocarditis virus RT-qPCR Kit	100 reactions
MD06151	Enterococcus spp. qPCR Kit	100 reactions
MD05571	Enterovirus RT-qPCR Kit	100 reactions
MD05021	Equid herpesvirus 1 qPCR Kit	100 reactions
MD05201	Equid herpesvirus 4 qPCR Kit	100 reactions
MD05601	Feline coronavirus RT-qPCR Kit	100 reactions
MD05231	Feline herpesvirus qPCR Kit	100 reactions
MD05691	Feline Immunodeficiency virus RT-qPCR Kit	100 reactions
MD05761	Feline Leukemia virus RT-qPCR Kit	100 reactions
MD05221	Francisella tularensis qPCR Kit	100 reactions
MD06231	Glaesserella parasuis qPCR Kit	100 reactions
MD06241	Histomonas meleagridis qPCR Kit	100 reactions

## VETERINARY & AGRICULTURE (CONT.)

Catalogue number	Product name	Number of reactions
MD06251	Histophilus somni qPCR Kit	100 reactions
MD06261	Klebsiella spp. qPCR Kit	100 reactions
MD05871	Leishmania spp. qPCR Kit	100 reactions
MD06281	Lumpy Skin Disease virus qPCR Kit	100 reactions
MD06291	Maedi-Visna virus RT-qPCR Kit	100 reactions
MD06301	Mannheimia haemolytica qPCR Kit	100 reactions
MD06211	Melissococcus plutonius qPCR Kit	100 reactions
MD06311	MERS-CoV RT-qPCR Kit	100 reactions
MD06321	Mycobacterium avium ssp. paratuberculosis qPCR Kit	100 reactions
MD05071	Mycobacterium spp. qPCR Kit	100 reactions
MD06331	Mycoplasma bovis qPCR Kit	100 reactions
MD03181	Mycoplasma gallisepticum & Mycoplasma synoviae Triplex Real-time PCR detection kit, RUO	100 reactions
MD05501	Mycoplasma haemofelis qPCR Kit	100 reactions
MD06341	Mycoplasma hyopneumoniae qPCR Kit	100 reactions
MD06351	Mycoplasma hyorhinis qPCR Kit	100 reactions
MD05511	Mycoplasma spp. qPCR Kit	100 reactions
MD06361	Mycoplasma suis qPCR Kit	100 reactions
MD06371	Neospora caninum qPCR Kit	100 reactions
MD06381	Nocardia spp. qPCR Kit	100 reactions
MD06391	Ornithobacterium rhinotracheale qPCR Kit	100 reactions
MD06401	Pasteurella multocida qPCR Kit	100 reactions
MD06411	Pasteurella multocida toxA qPCR Kit	100 reactions
MD05771	Peste-des-petits-ruminants virus RT-qPCR Kit	100 reactions
MD05301	Photobacterium damsela ssp. piscicida qPCR Kit	100 reactions
MD05411	Porcine circovirus 2 qPCR Kit	100 reactions
MD06421	Porcine circovirus 3 qPCR Kit	100 reactions
MD06431	Porcine cytomegalovirus qPCR Kit	100 reactions
MD06451	Porcine Epidemic Diarrhea virus & Swine Delta coronavirus RT-qPCR Kit	100 reactions
MD06461	Porcine Epidemic Diarrhea virus & Transmissible Gastroenteritis virus RT-qPCR Kit	100 reactions
MD06441	Porcine Epidemic Diarrhea virus RT-qPCR Kit	100 reactions

## VETERINARY & AGRICULTURE (CONT.)

Catalogue number	Product name	Number of reactions
MD06471	Porcine Hemagglutinating Encephalomyelitis virus RT-qPCR Kit	100 reactions
MD05311	Porcine parvovirus qPCR Kit	100 reactions
MD06481	Pseudorabiesvirus qPCR Kit	100 reactions
MD06491	Rabbit Haemorrhagic Disease virus 1 & 2 RT-qPCR Kit	100 reactions
MD05631	Rabies virus RT-qPCR Kit	100 reactions
MD06501	Riemerella anatipestifer qPCR Kit	100 reactions
MD05671	Rift Valley Fever virus RT-qPCR Kit	100 reactions
MD06511	Rotavirus RT-qPCR Kit	100 reactions
MD05681	Spring Viremia of Carp virus RT-qPCR Kit	100 reactions
MD06531	Staphylococcus spp. qPCR Kit	100 reactions
MD05531	Streptococcus equi ssp. zooepidemicus qPCR Kit	100 reactions
MD06541	Streptococcus spp. qPCR Kit	100 reactions
MD06551	Streptococcus suis qPCR Kit	100 reactions
MD06561	Streptococcus uberis qPCR Kit	100 reactions
MD06571	Swine Delta coronavirus RT-qPCR Kit	100 reactions
MD06581	Swine Influenza A RT-qPCR Kit	100 reactions
MD06591	Taylorella equigenitalis qPCR Kit	100 reactions
MD06601	Transmissible Gastroenteritis virus RT-qPCR Kit	100 reactions
MD06611	Trichinella spiralis & Trichinella britovi qPCR Kit	100 reactions
MD06621	Trueperella pyogenes qPCR Kit	100 reactions
MD04841	Veterinary SARS-CoV-2 One-Step RT-qPCR Kit, RUO	100 reactions

## FOOD & WATER SAFETY

Our 2023/2024 catalogue includes a category of qPCR kits designed for food and water analysis. These kits are optimized for the detection of a range of bacterial and viral pathogens that can contaminate food and water, causing foodborne illnesses and waterborne diseases. Our qPCR kits offer high sensitivity and specificity, enabling accurate and reliable detection of target sequences in a range of food and water samples. They are compatible with a variety of sample types, including meat, dairy products, fruits and vegetables, and water sources. Developed using the latest advancements in molecular biology, our food and water analysis qPCR kits deliver rapid and precise results, enabling early detection and monitoring of contaminants. Our team of experienced scientists is available to provide technical support and guidance to help researchers and food safety professionals achieve their scientific and regulatory objectives. With NZYTech's food and water analysis qPCR kits, you can trust in the accuracy and reliability of our products, as well as our team of experienced scientists who are available to provide technical support and guidance to help you achieve your food safety objectives.

Catalogue number	Product name	Number of reactions
MD06081	Campylobacter spp. qPCR Kit	100 reactions
MD06111	Clostridium perfringens qPCR Kit	100 reactions
MD05001	Enterococcus faecalis qPCR Kit	100 reactions
MD06161	Escherichia coli qPCR Kit	100 reactions
MD06171	Escherichia coli Typing eae & ehxA (EHEC, EPEC) qPCR Kit	100 reactions
MD06181	Escherichia coli Typing eae (EHEC or EPEC) qPCR Kit	100 reactions
MD06191	Escherichia coli Typing ehxA (EHEC) qPCR Kit	100 reactions
MD06201	Escherichia coli Typing stx1 & stx2 (STEC) qPCR Kit	100 reactions
MD05581	Hepatitis A virus RT-qPCR Kit	100 reactions
MD05281	Legionella pneumophila qPCR Kit	100 reactions
MD06651	Leptospira (16S rDNA + LipL32) qPCR Kit	100 reactions
MD05881	Leptospira (LipL32) qPCR Kit	100 reactions
MD06271	Leptospira spp. (16S rDNA) qPCR Kit	100 reactions
MD05071	Mycobacterium spp. qPCR Kit	100 reactions
MD05321	Saccharomyces cerevisiae qPCR Kit	100 reactions
MD05421	Salmonella spp. qPCR Kit	100 reactions
MD05441	Staphylococcus aureus qPCR Kit	100 reactions

## PHARMA QUALITY CONTROL

At NZYTech we understand that the pharmaceutical industry operates in a highly regulated and quality-controlled environment. Our qPCR kits are specifically designed to meet these standards, ensuring that your results are accurate, reproducible, and of the highest quality. Our kits undergo rigorous testing and quality control procedures to ensure that they meet the highest standards of performance and reliability. We use only the highest quality raw materials in the manufacture of our kits, and we perform extensive testing to ensure that each batch meets our strict quality control criteria. We also offer extensive technical support to ensure that our customers can use our kits with confidence. Our team of experienced scientists is always available to answer questions, troubleshoot issues, and guide experimental design and data analysis. Overall, our qPCR kits are the ideal choice for the pharmaceutical industry, offering the sensitivity, specificity, and reliability required for accurate and reproducible results in the highly regulated and quality-controlled environment of pharmaceutical research and development.

Catalogue number	Product name	Number of reactions
<b>MD05851</b>	Candida albicans qPCR Kit	100 reactions
<b>MD06161</b>	Escherichia coli qPCR Kit	100 reactions
<b>MD05901</b>	Pseudomonas aeruginosa qPCR Kit	100 reactions
<b>MD06521</b>	Salmonella enterica qPCR Kit	100 reactions
<b>MD05421</b>	Salmonella spp. qPCR Kit	100 reactions
<b>MD05441</b>	Staphylococcus aureus qPCR Kit	100 reactions

## ENDOGENOUS CONTROLS

Catalogue number	Product name	Number of reactions
MD05791	Endogenous Control B Real-Time PCR Kit	48 reactions
MD05801	Endogenous Control C Real-Time PCR Kit	48 reactions
MD05811	Endogenous Control D Real-Time PCR Kit	48 reactions
MD05821	Endogenous Control E Real-Time PCR Kit	48 reactions
MD05831	Endogenous Control F Real-Time PCR Kit	48 reactions



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