

# **Product list**

Animal infectious diseases

## **2021**

**Product list of the veterinary PCR and ELISA diagnostic kits  
Compliance with the requirements of international standard EN ISO 13485:2016**

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## PCR diagnostic kits

The RealBest-Vet diagnostic kits are intended for the detection of animal infectious agents by real-time PCR/RT-PCR. AO Vector-Best offers user-friendly solutions for diagnostics such as lyophilized ready-to-use mixtures with a long shelf life and transportation temperature of up to 26 °C.

### RealBest-Vet kits:

- Complex approach to PCR diagnostics encompassing sample preparation, PCR and evaluation of results
- Simple nucleic acids extraction using magnetic particles
- Lyophilized Ready Master Mix for the detection of DNA/RNA in real-time
- Compatible PCR and RT-PCR protocols for the detection of a wide range of pathogens
- Noncompetitive Internal Control
- Storage of all components at the same temperature (2–8)°C for up to 12 months; no freezing required
- Transportation at the temperature up to 26 °C for no more than 10 days is acceptable

**Str-format:** Ready Master Mix is lyophilized in 0.2 ml white tubes of the 96-tube plate. The only step required for the reaction procedure is the addition of extracted DNA/RNA samples.

### Real-time PCR Systems and formats:

Str format can be used with CFX96™ (Bio-Rad, USA), DT*prime* (DT-96), DT*lite* (DNA-Technology, Russia).

Number of simultaneously detected pathogens	Detection channels
1	FAM, ROX
2	FAM, ROX, HEX
3 and more	FAM, ROX, HEX, Cy5

*Other real-time PCR cyclers with similar technical characteristics can be used after validation.*

### **Attention!**

The kits contain reagents for RT-PCR/PCR only. The kits for nucleic acids extraction must be ordered additionally. The appropriate extraction kit should be chosen depending on the type of analyzed biological material.

## Nucleic acids extraction

Cat. No.	Kit name	Number of tests	Clinical specimens	Comments
<b>Manual nucleic acids extraction</b>				
C-8896 CE	RealBest extraction 100	48 (6x8)	Whole blood, blood serum/plasma, leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cell specimens, tick suspensions, water samples Sample volume – <b>100 µl</b>	Extraction of <b>DNA and RNA</b>
C-8899 CE	RealBest DNA-express	100	Epithelial cell specimens from the cervical canal, urethra, vagina, posterior laryngeal wall, conjunctiva; semen, saliva, urine	Extraction of <b>DNA</b> in 15 minutes. Lysis Reagent – 100 tubes, Transport solution – 100 tubes
<b>Automated nucleic acids extraction</b>				
Cat. No.	Kit name	Number of tests	Clinical specimens	Comments
C-8883 CE	RealBest UniMag	96 (4x24)	Whole blood, blood serum/plasma, leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cell specimens, tick suspensions, water samples Sample volume – <b>100 µl</b>	Extraction of <b>DNA and RNA</b> (For KingFisher Flex systems)
V-5499	RealBest-Vet AniMag	96 (2x48)	Whole animal blood Sample volume – <b>100 µl</b>	Extraction of <b>DNA</b> (For KingFisher Flex systems)

## Quantification of canine and feline DNA in clinical specimens

Cat. No.	Kit Name	Format	Number of tests	Comments
V-5473	RealBest-Vet Sample Validation	Str	48	Quantification of canine and feline DNA

## Feline infectious diseases

Cat. No.	Kit Name	Format	Number of tests	Comments
V-5420	RealBest-Vet DNA FHV-1	Str	96	Felid herpesvirus type 1 DNA
V-5430	RealBest-Vet DNA FHV-1/GAPDH	Str	96	Felid herpesvirus type 1 DNA and an endogenous control (the <i>GAPDH</i> gene)
V-5422	RealBest-Vet RNA FCV	Str	96	Feline calicivirus RNA
V-5423	RealBest-Vet DNA FeLV	Str	48	Proviral DNA of feline leukemia virus
V-5424	RealBest-Vet DNA FIV	Str	48	Proviral DNA of feline immunodeficiency virus
V-5425	RealBest-Vet DNA FeLV/FIV	Str	96	Proviral DNA of feline leukemia virus and feline immunodeficiency virus

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Comments</i>
V-5426	RealBest-Vet DNA <i>Mycoplasma felis</i>	Str	96	<i>Mycoplasma felis</i> DNA
V-5429	RealBest-Vet DNA <i>Chlamydomphila felis</i>	Str	96	<i>Chlamydomphila felis</i> DNA
V-5462	RealBest-Vet DNA <i>Toxoplasma gondii</i>	Str	96	<i>Toxoplasma gondii</i> DNA
V-5467	RealBest-Vet DNA CPV, FPV	Str	96	Canine parvovirus and feline panleukopenia virus DNA
V-5492	RealBest-Vet DNA CPV, FPV/HMBS	Str	96	Canine parvovirus, feline panleukopenia virus DNA, and an endogenous control (the HMBS gene)
V-5468	RealBest-Vet RNA CCoV, FCoV	Str	96	Canine coronavirus and feline coronavirus RNA
V-5474	RealBest-Vet DNA <i>Salmonella</i> spp.	Str	48	<i>Salmonella</i> spp. DNA
V-5475	RealBest-Vet DNA <i>Bordetella bronchiseptica</i>	Str	96	<i>Bordetella bronchiseptica</i> DNA
V-5476	RealBest-Vet DNA <i>Bartonella</i> spp.	Str	48	<i>Bartonella</i> spp. DNA
V-5480	RealBest-Vet DNA <i>Salmonella</i> spp./ <i>S. typhimurium</i> , <i>S. enteridis</i>	Str	48	<i>Salmonella</i> spp. DNA with differentiation of <i>Salmonella typhimurium</i> and <i>Salmonella enteridis</i> DNA
V-5482	RealBest-Vet DNA <i>Campylobacter</i> spp.	Str	48	<i>Campylobacter</i> spp. DNA
V-5483	RealBest-Vet DNA <i>Clostridium difficile</i> / <i>Clostridium perfringens</i>	Str	48	Differential detection of <i>Clostridium difficile</i> and <i>Clostridium perfringens</i> DNA
V-5484	RealBest-Vet DNA <i>Clostridium difficile</i> tcdA/tcdB/CDT	Str	48	<i>Clostridium difficile</i> genes encoding toxin A, toxin B, and binary toxin CDT
V-5486	RealBest-Vet DNA <i>Cryptosporidium</i> spp.	Str	48	<i>Cryptosporidium</i> spp. DNA
V-5488	RealBest-Vet RNA Rotavirus A	Str	48	Rotavirus A RNA
V-5489	RealBest-Vet DNA <i>Giardia</i> spp.	Str	48	<i>Giardia</i> spp. DNA

### Canine infectious diseases

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Comments</i>
V-5400	RealBest-Vet DNA CHV-1	Str	48	Canid alphaherpesvirus 1 DNA
V-5401	RealBest-Vet RNA CDV	Str	96	Canine distemper virus RNA
V-5402	RealBest-Vet DNA CAcV-1	Str	48	Canine adenovirus type 1 DNA
V-5403	RealBest-Vet DNA <i>Mycoplasma canis</i>	Str	48	<i>Mycoplasma canis</i> DNA

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Comments</i>
V-5404	RealBest-Vet RNA CPiV	Str	48	Canine parainfluenza virus RNA
V-5408	RealBest-Vet DNA <i>Mycoplasma canis</i> / <i>Mycoplasma cynos</i>	Str	48	Differential detection of <i>Mycoplasma canis</i> and <i>Mycoplasma cynos</i> DNA
V-5412	RealBest-Vet DNA <i>Mycoplasma cynos</i>	Str	48	<i>Mycoplasma cynos</i> DNA
V-5413	RealBest-Vet DNA CPV-1	Str	48	Canine parvovirus type 1 (minute virus of canines) DNA
V-5421	RealBest-Vet DNA CAdV-2	Str	48	Canine adenovirus type 2 DNA
V-5460	RealBest-Vet DNA <i>Anaplasma</i> spp., <i>Ehrlichia</i> spp.	Str	48	<i>Anaplasma</i> spp. and <i>Ehrlichia</i> spp. DNA
V-5461	RealBest-Vet DNA <i>Babesia</i> spp.	Str	48	<i>Babesia</i> spp. DNA
V-5463	RealBest-Vet DNA <i>Borrelia burgdorferi</i> s.l.	Str	48	<i>Borrelia burgdorferi sensu lato</i> complex DNA
V-5464	RealBest-Vet DNA <i>Anaplasma phagocytophilum</i>	Str	48	<i>Anaplasma phagocytophilum</i> DNA
V-5465	RealBest-Vet DNA <i>Chlamydia</i> spp.	Str	96	<i>Chlamydia</i> spp. DNA
V-5467	RealBest-Vet DNA CPV, FPV	Str	96	Canine parvovirus and feline panleukopenia virus DNA
V-5492	RealBest-Vet DNA CPV, FPV/HMBS	Str	96	Canine parvovirus, feline panleukopenia virus DNA, and an endogenous control (the HMBS gene)
V-5468	RealBest-Vet RNA CCoV, FCoV	Str	96	Canine coronavirus and feline coronavirus RNA
V-5469	RealBest-Vet DNA <i>Anaplasma platys</i> / <i>Anaplasma phagocytophilum</i>	Str	48	Differential detection of <i>Anaplasma platys</i> and <i>Anaplasma phagocytophilum</i> DNA
V-5471	RealBest-Vet DNA <i>Anaplasma platys</i>	Str	48	<i>Anaplasma platys</i> DNA
V-5474	RealBest-Vet DNA <i>Salmonella</i> spp.	Str	48	<i>Salmonella</i> spp. DNA
V-5475	RealBest-Vet DNA <i>Bordetella bronchiseptica</i>	Str	96	<i>Bordetella bronchiseptica</i> DNA
V-5479	RealBest-Vet DNA <i>Chlamydia</i> spp./ <i>Mycoplasma</i> spp., <i>Ureaplasma</i> spp.	Str	48	<i>Chlamydia</i> spp., <i>Mycoplasma</i> spp., and <i>Ureaplasma</i> spp. DNA
V-5480	RealBest-Vet DNA <i>Salmonella</i> spp./ <i>S. typhimurium</i> , <i>S. enteridis</i>	Str	48	<i>Salmonella</i> spp. DNA with differentiation of <i>Salmonella typhimurium</i> and <i>Salmonella enteridis</i> DNA
V-5482	RealBest-Vet DNA <i>Campylobacter</i> spp.	Str	48	<i>Campylobacter</i> spp. DNA
V-5483	RealBest-Vet DNA <i>Clostridium difficile</i> / <i>Clostridium perfringens</i>	Str	48	Differential detection of <i>Clostridium difficile</i> and <i>Clostridium perfringens</i> DNA

Cat. No.	Kit Name	Format	Number of tests	Comments
V-5484	RealBest-Vet DNA <i>Clostridium difficile</i> tcdA/tcdB/CDT	Str	48	<i>Clostridium difficile</i> genes encoding toxin A, toxin B, and binary toxin CDT
V-5486	RealBest-Vet DNA <i>Cryptosporidium</i> spp.	Str	48	<i>Cryptosporidium</i> spp. DNA
V-5488	RealBest-Vet RNA Rotavirus A	Str	48	Rotavirus A RNA
V-5489	RealBest-Vet DNA <i>Giardia</i> spp.	Str	48	<i>Giardia</i> spp. DNA

### Animal infectious diseases

Cat. No.	Kit Name	Format	Number of tests	Comments
V-5401	RealBest-Vet RNA CDV	Str	96	Canine distemper virus RNA
V-5460	RealBest-Vet DNA <i>Anaplasma</i> spp., <i>Ehrlichia</i> spp.	Str	48	<i>Anaplasma</i> spp. and <i>Ehrlichia</i> spp. DNA
V-5461	RealBest-Vet DNA <i>Babesia</i> spp.	Str	48	<i>Babesia</i> spp. DNA
V-5462	RealBest-Vet DNA <i>Toxoplasma gondii</i>	Str	96	<i>Toxoplasma gondii</i> DNA
V-5463	RealBest-Vet DNA <i>Borrelia burgdorferi</i> s.l.	Str	48	<i>Borrelia burgdorferi sensu lato</i> complex DNA
V-5464	RealBest-Vet DNA <i>Anaplasma phagocytophilum</i>	Str	48	<i>Anaplasma phagocytophilum</i> DNA
V-5465	RealBest-Vet DNA <i>Chlamydia</i> spp.	Str	96	<i>Chlamydia</i> spp. DNA
V-5466	RealBest-Vet DNA <i>Mycoplasma</i> spp., <i>Ureaplasma</i> spp.	Str	96	<i>Mycoplasma</i> spp. and <i>Ureaplasma</i> spp. DNA
V-5469	RealBest-Vet DNA <i>Anaplasma platys</i> / <i>Anaplasma phagocytophilum</i>	Str	48	<i>Anaplasma platys</i> and <i>Anaplasma phagocytophilum</i> DNA
V-5470	RealBest-Vet DNA <i>Brucella</i> spp.	Str	48	<i>Brucella</i> spp. DNA
V-5474	RealBest-Vet DNA <i>Salmonella</i> spp.	Str	48	<i>Salmonella</i> spp. DNA
V-5475	RealBest-Vet DNA <i>Bordetella bronchiseptica</i>	Str	96	<i>Bordetella bronchiseptica</i> DNA
V-5476	RealBest-Vet DNA <i>Bartonella</i> spp.	Str	48	<i>Bartonella</i> spp. DNA
V-5477	RealBest-Vet DNA <i>Microsporium</i>	Str	48	<i>Microsporium canis</i> , <i>Microsporium ferrugineum</i> , and <i>Microsporium audouinii</i> DNA
V-5479	RealBest-Vet DNA <i>Chlamydia</i> spp./ <i>Mycoplasma</i> spp., <i>Ureaplasma</i> spp.	Str	48	<i>Chlamydia</i> spp., <i>Mycoplasma</i> spp., and <i>Ureaplasma</i> spp. DNA
V-5480	RealBest-Vet DNA <i>Salmonella</i> spp./ <i>S. typhimurium</i> , <i>S. enteridis</i>	Str	48	<i>Salmonella</i> spp. DNA with differentiation of <i>Salmonella typhimurium</i> and <i>Salmonella enteridis</i> DNA
V-5482	RealBest-Vet DNA <i>Campylobacter</i> spp.	Str	48	<i>Campylobacter</i> spp. DNA

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Comments</i>
V-5483	RealBest-Vet DNA Clostridium difficile/Clostridium perfringens	Str	48	Differential detection of Clostridium difficile and Clostridium perfringens DNA
V-5484	RealBest-Vet DNA Clostridium difficile tcdA/tcdB/CDT	Str	48	Clostridium difficile genes encoding toxin A, toxin B, and binary toxin CDT
V-5485	RealBest-Vet DNA Chlamydophila psittaci	Str	48	Chlamydophila psittaci DNA
V-5486	RealBest-Vet DNA Cryptosporidium spp.	Str	48	Cryptosporidium spp. DNA
V-5487	RealBest-Vet DNA Listeria monocytogenes	Str	48	Listeria monocytogenes DNA
V-5488	RealBest-Vet RNA Rotavirus A	Str	48	Rotavirus A RNA
V-5489	RealBest-Vet DNA Giardia spp.	Str	48	Giardia spp. DNA
V-5490	RealBest-Vet DNA Mycobacterium spp.	Str	48	Mycobacterium spp. DNA

### Farm animal infectious diseases

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Format</i>	<i>Number of tests</i>	<i>Comments</i>
V-5441	RealBest-Vet DNA cattle leukemia virus	Str	96	Cattle leukemia virus DNA
V-5491	RealBest-Vet DNA GaHV-1	Str	96	Gallid alphaherpesvirus 1 DNA

### ELISA diagnostic kits

#### Animal infectious diseases

<i>Cat. No.</i>	<i>Kit Name</i>	<i>Number of tests</i>	<i>Comments</i>
V-1710	Toxo-antibodies-EIA-Zoo-BEST	12×8	Detection of total antibodies to Toxoplasma gondii
V-3601	SARS-CoV-2-AB total-EIA-BEST-Vet	12×8	Detection of total antibodies to SARS-CoV-2