



Real-time PCR Diagnostic Kits

Animal infectious diseases



Laboratory diagnosis of animal infectious diseases by real-time PCR

- Quick and reliable pathogen detection
- High throughput capacity
- High sensitivity and specificity
- Acute, chronic, and latent infection diagnostics
- Safe and easy-to-use method



RealBest-Vet PCR kits features

-  WORK WITH WIDE RANGE OF SPECIMEN TYPES
-  LYOPHILIZED READY-TO-USE MASTER MIX
-  AUTOMATION OF PCR ANALYSIS
-  UNIFIED PCR AND RT-PCR PROTOCOLS FOR ALL INFECTIONS
-  CONVENIENCE OF STORAGE AND TRANSPORTATION
-  DECREASED RISK OF CONTAMINATION

Detection of more than 40 viral and bacterial pathogens

- Zoonotic infections
- Eye infections
- Respiratory infections
- Gastrointestinal infections
- Skin and mucosal infections

“RealBest” technology: complete solution for real-time PCR diagnostics



FROM SPECIMENS...



Sample preparation

DNA/RNA extraction both in manual and automatic mode is possible



Amplification

High throughput capacity due to ready-to-use master mix and unified amplification protocol







Results

Automatic data analysis and interpretation


...TO THE RESULT!




Kits for DNA/RNA extraction

	Cat.№	Kit name No.of tests	Specimen types
 For KingFisher Flex system	V-5453	RealBest-Vet Alpha Kit for DNA extraction 96 tests	Whole blood
 For KingFisher Flex system	V-5454	RealBest-Vet Beta Kit for DNA and RNA extraction 96 tests	Washings (conjunctiva, upper respiratory tract, urogenital and rectal tracts); synovial fluid; discharge (infraorbital sinuses, air sacs, pericardial cavity); biopsy and autopsy material of organs and tissues; blood serum/plasma; fetuses, eggs, feces, tick suspensions, FTA cards
	C-8896	RealBest extraction 100 Kit for DNA and RNA extraction 48 tests	Whole blood, blood serum (plasma), leukocyte blood fraction, biopsy material, cerebrospinal fluid, urine, feces, epithelial cells specimens, environmental materials (tick suspensions, water samples)
	C-8899	RealBest DNA-express Kit for DNA extraction 100 tests	Epithelial cells specimens, sperm, saliva, urine

Solutions and components

	Cat.№	Kit name No.of tests	Specimen types
	V-5452	RealBest-Vet Inactivating solution 100 tests	Reagent for inactivation and storage of homogenized samples of animal organs and tissues

Kit for the quantitative evaluation of canine and feline DNA in specimens by real-time PCR

	Cat.№	Kit name No.of tests	Specimen types
	V-5473	RealBest-Vet Sample Validation 48 tests	Epithelial cells specimens

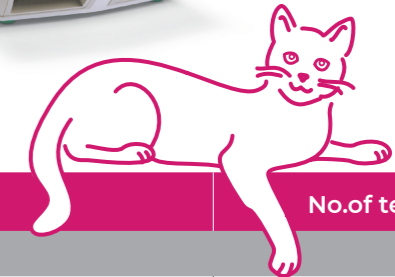


PCR is a direct method of diagnostics; therefore, it is important to collect the specimens from the supposed localization of a pathogen in order to obtain reliable results.

A positive result of PCR analysis in the absence of clinical signs of infection may be observed in the case of an asymptomatic bacterial or virus infection. The analysis should be performed 2–3 weeks after therapy or vaccination to exclude false-positive results.



PCR diagnostics of feline infectious diseases



Cat.№	Kit name	No.of tests
Feline immunodeficiency virus/Feline Leukemia Virus		
V-5425	RealBest-Vet DNA FeLV/FIV	96
V-5428	RealBest-Vet DNA/RNA FeLV	96
V-5424	RealBest-Vet DNA FIV	96
V-5423	RealBest-Vet DNA FeLV	96
Feline calicivirus		
V-5422	RealBest-Vet RNA FCV	96
V-5431	RealBest-Vet RNA FCV/HMBS	96
Mycoplasmosis (quantitative detection)		
V-5426	RealBest-Vet DNA Mycoplasma felis	96
V-5472	RealBest-Vet DNA Hemotropic Mycoplasmas	96
V-5823	RealBest-Vet DNA Mycoplasma haemofelis	96
V-5824	RealBest-Vet DNA Candidatus Mycoplasma haemominutum	96
V-5825	RealBest-Vet DNA Candidatus Mycoplasma turicensis	96
V-5862	RealBest-Vet Sample Calibration Hemotropic Mycoplasmas	1 ml
Feline viral rhinotracheitis		
V-5420	RealBest-Vet DNA FHV-1	96
V-5430	RealBest-Vet DNA FHV-1/GAPDH	96
Chlamydia infection		
V-5429	RealBest-Vet DNA Chlamydia felis	96

The kits contain reagents for real-time PCR/RT-PCR

PCR diagnostics of canine infectious diseases



Cat.Nº	Kit name	No.of tests
Adenoviruses		
V-5402	RealBest-Vet DNA CAAdV-1	96
V-5421	RealBest-Vet DNA CAAdV-2	96
Anaplasmosis		
V-5469	RealBest-Vet DNA Anaplasma platys/Anaplasma phagocytophilum	96
Babesiosis (piroplasmosis)		
V-5405	RealBest-Vet DNA Babesia gibsoni	96
Herpesvirus		
V-5400	RealBest-Vet DNA CHV-1	96
Mycoplasmosis		
V-5403	RealBest-Vet DNA Mycoplasma canis	48
V-5412	RealBest-Vet DNA Mycoplasma cynos	96
V-5409	RealBest-Vet DNA Mycoplasma haemocanis	48
V-5408	RealBest-Vet DNA Mycoplasma canis/Mycoplasma cynos	96
Parvovirus		
V-5413	RealBest-Vet DNA CPV-1	96
Canine distemper virus		
V-5401	RealBest-Vet RNA CDV	96
Ehrlichiosis		
V-5410	RealBest-Vet DNA Ehrlichia canis	96
Hepatozoonosis		
V-5411	RealBest-Vet DNA Hepatozoon canis	48
Canine Parainfluenza Virus		
V-5404	RealBest-Vet RNA CPIV	96

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PCR diagnostics of animal infectious diseases

Cat.Nº	Kit name	No.of tests
Anaplasmosis		
V-5460	RealBest-Vet DNA Anaplasma spp., Ehrlichia spp.	96
Bartonellosis		
V-5476	RealBest-Vet DNA Bartonella spp.	96
Borreliosis (Lyme disease)		
V-5463	RealBest-Vet DNA Borrelia burgdorferi s.l.	96
Bordetellosis		
V-5475	RealBest-Vet DNA Bordetella bronchiseptica	96
Babesiosis (piroplasmosis)		
V-5461	RealBest-Vet DNA Babesia spp.	96
Brucellosis		
V-5470	RealBest-Vet DNA Brucella spp.	96
Dirofilariasis		
V-5406	RealBest-Vet DNA Dirofilaria immitis/Dirofilaria repens	96
Dermatophytosis		
V-5477	RealBest-Vet DNA Microsporum	96
Yersiniosis		
V-5435	RealBest-Vet DNA Yersinia enterocolitica	96
Coronavirus		
V-5468	RealBest-Vet RNA CCoV, FCoV	96
Clostridium		
V-5436	RealBest-Vet DNA Clostridium perfringens enterotoxin	96
V-5483	RealBest-Vet DNA Clostridium difficile/Clostridium perfringens	48
V-5484	RealBest-Vet DNA Clostridium difficile tcdA/tcdB/CDT	48
V-5821	RealBest-Vet DNA Clostridium perfringens CPA/CPB	96
V-5822	RealBest-Vet DNA Clostridium perfringens ETX/ITX	96
Campylobacteriosis		
V-5482	RealBest-Vet DNA Campylobacter spp.	96
Cryptosporidiosis		
V-5486	RealBest-Vet DNA Cryptosporidium spp.	96
Leishmaniasis		
V-5478	RealBest-Vet DNA Leishmania spp.	48

Cat.Nº	Kit name	No.of tests
Giardiasis		
V-5489	RealBest-Vet DNA Giardia spp.	96
Listeriosis		
V-5487	RealBest-Vet DNA Listeria monocytogenes	48
V-5847	RealBest-Vet DNA Listeria monocytogenes/Listeria ivanovii	96
Leptospirosis		
V-5802	RealBest-Vet DNA Pathogenic Leptospira	96
Mycoplasmosis		
V-5466	RealBest-Vet DNA Mycoplasma spp., Ureaplasma spp.	96
Mycobacteriosis		
V-5490	RealBest-Vet DNA Mycobacterium spp.	48
V-5419	RealBest-Vet DNA Mycobacterium tuberculosis complex	96
Canine parvovirus and panleukopenia		
V-5467	RealBest-Vet DNA CPV, FPV	96
V-5492	RealBest-Vet DNA CPV, FPV/ HMBS	96
Rotavirus		
V-5456	RealBest-Vet RNA Rotavirus C	96
V-5488	RealBest-Vet RNA Rotavirus A	96
Salmonellosis		
V-5474	RealBest-Vet DNA Salmonella spp.	96
V-5480	RealBest-Vet DNA Salmonella spp./S. typhimurium/S. enteridis	96
V-5415	RealBest-Vet DNA Salmonella spp./Listeria monocytogenes/Chlamydophila spp.	96
Tritrichomoniasis		
V-5427	RealBest-Vet DNA Tritrichomonas foetus	96
Toxoplasmosis		
V-5462	RealBest-Vet DNA Toxoplasma gondii	96
Chlamydia infection		
V-5465	RealBest-Vet DNA Chlamydia spp.	96
V-5479	RealBest-Vet DNA Chlamydia spp./Mycoplasma spp., Ureaplasma spp.	96

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