



Reference list:

NucleoMag® VET – the versatile high performer trusted by scientist and veterinarians

The magnetic bead-based NucleoMag® VET kit convinces veterinarians and scientists worldwide with its flexibility and broad range of applications. Whether for manual or automated nucleic acid extraction from veterinary samples, the kit delivers high-purity RNA/DNA in high yields for various downstream analyses.

The following reference list shows examples of some applications from the literature, listed by title and publication year of the study, journal, specimen type and target organisms.

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Title	Year	Journal	DOI	Specimen	Organism	Target organism
Impact of a Microbial Pest Control Product Containing Bacillus thuringiensis on Brood Development and Gut Microbiota of Apis mellifera Worker Honey Bees.	2022	Microbial Ecology	10.1007/s00248-022-02004-w	gut core microbiota	honey bees (<i>A. mellifera</i>)	<i>Bifidobacterium asteroides</i> , <i>Gilliamella apicola</i> , <i>Lactobacillus Firm-4/1-5</i> and <i>Snodgrassella alvi</i>
Exploring surface water as a transmission medium of avian influenza viruses - systematic infection studies in mal-lards.	2022	Emerging Microbes & Infections	10.1080/22221751.2022.2065937	swabs	birds	LPAIV, HPAIV (Avian Influenza Virus)
Performance Characteristics of Real-Time PCRs for African Swine Fever Virus Genome Detection-Comparison of Twelve Kits to an OIE-Recommended Method.	2022	Viruses	10.3390/v14020220	serum, blood, swabs, spleen	pigs, wild boar	African swine fever virus (ASFV) DNA
Avian influenza outbreaks: evaluating the efficacy of cleaning and disinfection of vehicles and transport crates.	2022	Poultry Science	10.1016/j.psj.2021.101569	swabs	ducks	Avian Influenza Virus
Vaccination With a Gamma Irradiation-Inactivated African Swine Fever Virus Is Safe But Does Not Protect Against a Challenge.	2022	Frontiers in Immunology	10.3389/fimmu.2022.832264	spleen, kidney, liver, tonsil, bone marrow, lymph nodes	pigs	African swine fever virus (ASFV) DNA
Inhibitors of dihydroorotate dehydrogenase cooperate with molnupiravir and N4-hydroxycytidine to suppress SARS-CoV-2 replication.	2022	IScience	10.1016/j.isci.2022.104293	nose fluid	hamster	Sars-CoV2
NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome RVFV Infection.	2022	Viruses	10.3390/v14020350	liver, spleen, brain	mouse	Rift Valley Fever Phlebovirus (RVFV)
Strong phylogenetic and ecological effects on host competency for avian influenza in Australian wild birds	2022	BioRxiv : the Preprint Server for Biology	10.1101/2022.02.14.480463	blood, swabs	birds, ducks	Avian influenza virus A
The baseline immunological and hygienic status of pigs impact disease severity of African swine fever	2022	BioRxiv : the Preprint Server for Biology	10.1101/2022.04.19.488723	WSL-R-HP cells	pigs	African swine fever virus (ASFV) DNA
Mosquito survey in Mauritania: Detection of Rift Valley fever virus and dengue virus and the determination of feeding patterns.	2022	PloS Neglected Tropical Diseases	10.1371/journal.pntd.0010203	mosquito	mosquito	Rift Valley Fever Virus (RVFV)

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Sympatric occurrence of <i>Ixodes ricinus</i> with <i>Dermacentor reticulatus</i> and <i>Haemaphysalis concinna</i> and the associated tick-borne pathogens near the German Baltic coast.	2022	Parasites & Vectors	10.1186/s13071-022-05173-2	ticks	ticks	tick-borne encephalitis virus (TBEV) / Anaplasma phagocytophilum
Comparative pathogenesis of different phylogroup I bat lyssaviruses in a standardized mouse model.	2022	PloS Neglected Tropical Diseases	10.1371/journal.pntd.0009845	brain, salivary gland, swabs	mouse	Lyssavirus (BBLV)
Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta.	2022	Nature	10.1038/s41586-021-04342-0	nasal washes, swabs	ferret, hamster	Sars-CoV2
The Induced Expression of BPV E4 Gene in Equine Adult Dermal Fibroblast Cells as a Potential Model of Skin Sarcoid-like Neoplasia.	2022	International Journal of Molecular Sciences	10.3390/ijms23041970	ACFCs	equine	BPV (Bovine papillomavirus)
Swift and Reliable "Easy Lab" Methods for the Sensitive Molecular Detection of African Swine Fever Virus.	2021	International Journal of Molecular Sciences	10.3390/ijms22052307	serum, bone marrow, bloody swab suspension	wild boar	ASFV (African swine fever virus) DNA
In Vitro Effects of Doxycycline on Replication of Feline Coronavirus.	2021	Pathogens (Basel, Switzerland)	10.3390/pathogens10030312	kidney	cat	feline coronavirus (FCoV)
Experimental Challenge of Sheep and Cattle with Dugbe Orthonairovirus, a Neglected African Arbovirus Distantly Related to CCHFV.	2021	Viruses	10.3390/v13030372	organ homogenates, serum, whole blood	sheep, cattle	Dugbe orthonairovirus (DUGV)
African Swine Fever Laboratory Diagnosis-Lessons Learned from Recent Animal Trials.	2021	Pathogens (Basel, Switzerland)	10.3390/pathogens10020177	blood, serum, swab, tissue	pigs, wild boar	African swine fever virus (ASFV) DNA
The role of glycosylation in the N-terminus of the hemagglutinin of a unique H4N2 with a natural polybasic cleavage site in virus fitness in vitro and in vivo.	2021	Virulence	10.1080/21505594.2021.1881344	swabs	chicken	Low pathogenic avian influenza virus H5 and H7
After nasopharyngeal infection, foot-and-mouth disease virus serotype A RNA is shed in bovine milk without associated mastitis.	2021	Journal of Veterinary Diagnostic Investigation	10.1177/104063872111022467	saliva, nasal secretion, serum, milk	cow	Foot-and-Mouth Disease virus (FMDV) RNA
Pitfalls in SARS-CoV-2 PCR diagnostics.	2021	Transboundary and Emerging Diseases	10.1111/tbed.13684	swabs	human	Sars-CoV.2
Detection of Crimean-Congo hemorrhagic fever virus in blood-fed Hyalomma ticks collected from Mauritanian livestock.	2021	Parasites & Vectors	10.1186/s13071-021-04819-x	tick	ticks	CCHFV (Crimean-Congo hemorrhagic fever virus)
Optimizing Release of Nucleic Acids of African Swine Fever Virus and Influenza A Virus from FTA Cards.	2021	International Journal of Molecular Sciences	10.3390/ijms222312915	FTA card	pig	African swine fever virus (ASFV) DNA
Detection and viral RNA shedding of SARS-CoV-2 in respiratory specimens relative to symptom onset among COVID-19 patients in Bavaria, Germany.	2021	Epidemiology and Infection	10.1017/S0950268821001345	sputum	human	Sars-CoV-2
Saving Resources: SARS-CoV-2 Diagnostics by Real-Time RT-PCR Using Reduced Reaction Volumes.	2021	Diseases (Basel, Switzerland)	10.3390/diseases9040084	swabs	human	Sars-CoV-2
The Efficacy of Disinfection on Modified Vaccinia Ankara and African Swine Fever Virus in Various Forest Soil Types.	2021	Viruses	10.3390/v13112173	soil		African swine fever virus (ASFV) DNA
Anaplasma phagocytophilum and Anaplasma ovis-Emerging Pathogens in the German Sheep Population.	2021	Pathogens (Basel, Switzerland)	10.3390/pathogens10101298	blood, tick	sheep, tick	<i>A. phagocytophilum</i> and <i>A. ovis</i>
Retrospective Enhanced Bat Lyssavirus Surveillance in Germany between 2018-2020.	2021	Viruses	10.3390/v13081538	brain tissue	bat	Lyssavirus (EBLV-1)
Characterization of a Nigerian Lumpy Skin Disease Virus Isolate after Experimental Infection of Cattle.	2021	Pathogens (Basel, Switzerland)	10.3390/pathogens11010016	skin	cattle	Lumpy skin disease virus (LSDV)
Towards Efficient Early Warning: Pathobiology of African Swine Fever	2021	Animals : An Open Access	10.3390/ani11092602	blood, serum, tissue	pigs	African swine fever virus (ASFV) DNA

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Virus "Belgium 2018/1" in Domestic Pigs of Different Age Classes.		Journal from Mdpi				
Egyptian Fruit Bats (<i>Rousettus aegyptiacus</i>) Were Resistant to Experimental Inoculation with Avian-Origin Influenza A Virus of Subtype H9N2, But Are Susceptible to Experimental Infection with Bat-Borne H9N2 Virus.	2021	Viruses	10.3390/v13040672	swabs, organs (heart, kidney, liver, spleen, muscle, colon, rectum)	bats	Avian Influenza Virus (H9N2) / Bat-Borne Virus H9N2
CVnCoV and CV2CoV protect human ACE2 transgenic mice from ancestral B BavPat1 and emerging B.1.351 SARS-CoV-2.	2021	Nature Communications	10.1038/s41467-021-24339-7	swabs, lung, brain	mouse	Sars-CoV-2
The Role of Male Reproductive Organs in the Transmission of African Swine Fever-Implications for Transmission.	2021	Viruses	10.3390/v14010031	blood, sperm	pigs	African swine fever virus (ASFV) DNA
Co-circulation of Orthobunyaviruses and Rift Valley Fever Virus in Mauritania, 2015.	2021	Frontiers in Microbiology	10.3389/fmicb.2021.766977	serum	sheep, goat	Rift Valley Fever Virus (RVFV)
Benefit of Bovine Viral Diarrhoea (BVD) Eradication in Cattle on Pestivirus Seroprevalence in Sheep.	2021	Frontiers in Veterinary Science	10.3389/fvets.2021.681559	blood	sheep	Pestivirus
Diagnosis and Pathogenesis of Nairobi Sheep Disease Orthonairovirus Infections in Sheep and Cattle.	2021	Viruses	10.3390/v13071250	tissue	sheep, calves	Nairobi sheep disease orthonairovirus (NSDV)
Rift Valley fever virus detection in susceptible hosts with special emphasis in insects.	2021	Scientific Reports	10.1038/s41598-021-89226-z	liver	mice, sheep	Rift Valley Fever Virus (RVFV)
Putative Novel Atypical BTV Serotype '36' Identified in Small Ruminants in Switzerland.	2021	Viruses	10.3390/v13050721	blood, serum, swabs	goat	BTV (Bluetongue virus)
A genome-wide CRISPR screen identifies interactors of the autophagy pathway as conserved coronavirus targets.	2021	PloS Biology	10.1371/journal.pbio.3001490	Huh7-cells	human	MERS-CoV
Rabbit haemorrhagic disease virus Lagovirus europaeus/Gl.1d strain: genome sequencing, in vivo virus replication kinetics, and viral dose effect.	2021	Bmc Veterinary Research	10.1186/s12917-021-02962-2	swabs	rabbit	RHDV (Rabbit haemorrhagic disease virus)
Development of a Modular Vaccine Platform for Multimeric Antigen Display Using an Orthobunyavirus Model.	2021	Vaccines	10.3390/vaccines9060651	blood, serum, tissue	cattle	SBV (Schmallenberg virus)
Curing Cats with Feline Infectious Peritonitis with an Oral Multi-Component Drug Containing GS-441524.	2021	Viruses	10.3390/v13112228	CRFK cells	cat	FCoV
The C-terminus of non-structural protein 1 (NS1) in H5N8 clade 2.3.4.4 avian influenza virus affects virus fitness in human cells and virulence in mice.	2021	Emerging Microbes & Infections	10.1080/22221751.2021.1971568	lung, spleen, brain	mouse	Influenza A Virus (H5N8)
African Swine Fever in Wild Boar in Europe-A Review.	2021	Viruses	10.3390/v13091717	spleen, tonsil, lymph node, bone marrow, lung, liver, kidney	wild boar, pig	African swine fever virus (ASFV) DNA
Evaluating the fitness of PA/138T-substituted influenza A viruses with reduced baloxavir susceptibility in a competitive mixtures ferret model.	2021	PloS Pathogens	10.1371/journal.ppat.1009527	nasal washes	ferret	Influenza A Virus
Genome Evolution of Two Genetically Homogeneous Infectious Bursal Disease Virus Strains During Passages in vitro and ex vivo in the Presence of a Mutagenic Nucleoside Analog.	2021	Frontiers in Microbiology	10.3389/fmicb.2021.678563	swabs	cloacal swabs	IBDV (Infectious bursal disease virus)
Thermal Inactivation of Different Capripox Virus Isolates.	2020	Microorganisms	10.3390/microorganisms8122053	MDBK (kidney)	bovine	Lumpy skin disease virus (LSDV); goatpox virus (GTPV); sheeppox virus (SPPV); Pseudocowpox virus (PCPV) DNA
Competency of Amphibians and Reptiles and Their Potential Role as Reservoir Hosts for Rift Valley Fever Virus.	2020	Viruses	10.3390/v12111206	swab, serum, lymph	toads	Rift Valley Fever Virus (RVFV) RNA
Field Observations and Genetic Characterization of Sheep-Associated Malignant Catarrhal Fever in Egypt, 2018.	2020	Veterinary Sciences	10.3390/vetsci7040201	buffy coat, whole blood, plasma, serum, saliva	cattle	Virus DNA (OvHV-2, AIHV-1, FMD virus, BVDV, BoHV-1)
Mobility and Invasion Related Gene Expression Patterns in Equine Sarcoid.	2020	Animals : An Open Access Journal from Mdpi	10.3390/ani10050880	skin, sarcoid tissue	horse	Bovine papillomavirus (BPV1/2) DNA
"FastCheckFLI PPR-like"-A Molecular Tool for the Fast Genome Detection of PPRV and Differential Diagnostic Pathogens.	2020	Viruses	10.3390/v12111227	saliva	ruminant	Petits ruminants virus (PPRV),

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In vitro Cytokine Responses to Virulent PRRS Virus Strains.	2020	Frontiers in Veterinary Science	10.3389/fvets.2020.00335	serum, lung	pig	Porcine reproductive and respiratory syndrome virus (PRRSV) RNA
Characterization of Experimental Oro-Nasal Inoculation of Seba's Short-Tailed Bats (<i>Carollia perspicillata</i>) with Bat Influenza A Virus H18N11.	2020	Viruses	10.3390/v12020232	Conchea, trachea, lung, heart, kidney, liver, intestine, cerebellum, muscle, blood	bat	Influenza A virus (IAV) - H18N11 RNA
Foot-and-Mouth Disease Virus Lacking the Leader Protein and Containing Two Negative DIVA Markers (FMDV LL3B3D A24) Is Highly Attenuated in Pigs.	2020	Pathogens (Basel, Switzerland)	10.3390/pathogens9020129	swab, serum, tissue	pig	Foot-and-Mouth Disease virus (FMDV) RNA
Characterization of the IgA response to PRRS virus in pig oral fluids.	2020	PloS One	10.1371/journal.pone.0229065	serum, lung	pig	Porcine reproductive and respiratory syndrome virus (PRRSV) RNA
Serological evidence for the presence of wobbly possum disease virus in Australia.	2020	PloS One	10.1371/journal.pone.0237091	spleen	brush-tail possum	Wobbly possum disease virus (WPDV) RNA
Pathogenicity of West Nile Virus Lineage 1 to German Poultry.	2020	Vaccines	10.3390/vaccines8030507	head, body, legs + wings	Mosquitoes	West Nile Virus (WNV) RNA
West Nile Virus Lineage 2 Vector Competence of Indigenous Culex and Aedes Mosquitoes from Germany at Temperate Climate Conditions.	2020	Viruses	10.3390/v12050561	body, legs + wings	Mosquitoes	West Nile Virus (WNV) RNA
West Nile Virus Mosquito Vectors (Diptera: Culicidae) in Germany.	2020	Viruses	10.3390/v12050493		Mosquitoes	West Nile Virus (WNV) RNA
In Vivo Characterization of a Bank Vole-Derived Cowpox Virus Isolate in Natural Hosts and the Rat Model.	2020	Viruses	10.3390/v12020237	swabs and tissue	bank vole (mouse), rats	Cowpox virus (CPXV) DNA
Search for polyoma-, herpes-, and bornaviruses in squirrels of the family Sciuridae.	2020	Virology Journal	10.1186/s12985-020-01310-4	brain, lung, spleen	squirrel	Polyomavirus (PyV), Herpes Virus (HV), bornavirus (VSBV-1)
Experimental Infection and Genetic Characterization of Two Different Capripox Virus Isolates in Small Ruminants.	2020	Viruses	10.3390/v12101098	organ samples (spleen, liver, lung, heart, kidney, testicles, muscle), blood, serum, swabs	sheep, goat	LSDV, GTPV, SPPV
Transstadial Transmission and Replication Kinetics of West Nile Virus Lineage 1 in Laboratory Reared Ixodes ricinus Ticks.	2020	Pathogens (Basel, Switzerland)	10.3390/pathogens9100780		tick	West Nile Virus (WNV) RNA
Sequence Analysis of Egyptian Foot-and-Mouth Disease Virus Field and Vaccine Strains: Intertypic Recombination and Evidence for Accidental Release of Virulent Virus.	2020	Viruses	10.3390/v12090990	whole blood, serum, buffy coat, saliva, swabs	ruminant	Foot-and-Mouth Disease virus (FMDV) RNA
SARS-CoV-2 in fruit bats, ferrets, pigs, and chickens: an experimental transmission study.	2020	The Lancet. Microbe	10.1016/S2666-5247(20)30089-6	swabs, faecal samples, lung, lymph node, heart, liver, spleen, colon, pancreas, ...	bats, ferrets, pigs	Sars-CoV-2
Minimum Infective Dose of a Lumpy Skin Disease Virus Field Strain from North Macedonia.	2020	Viruses	10.3390/v12070768	blood, serum, swabs	cattle	Lumpy skin disease virus (LSDV)
Cutaneous Lesions in Freshwater Turtles (<i>Emydura macquarii krefftii</i> and <i>Myuchelys latisternum</i>) in a Rainforest Creek in North Queensland, Australia.	2020	Frontiers in Veterinary Science	10.3389/fvets.2020.00033	swabs, lung, spleen, liver, kidney, heart	turtles	genomic DNA
German Culex pipiens biotype molestus and Culex torrentium are vector-competent for Usutu virus.	2020	Parasites & Vectors	10.1186/s13071-020-04532-1	body, legs + wings	Mosquitoes	Usutu virus (USUV)
Sheep and Cattle Are Not Susceptible to Experimental Inoculation with Hazara Orthonairovirus, a Tick-Borne Arbovirus Closely Related to CCHFV.	2020	Microorganisms	10.3390/microorganisms8121927	heart muscle, lung, intestine, rectum, liver, kidney, spleen, brain,	sheep, bovine	Hazara orthonairovirus (HAZV), Crimean-Congo hemorrhagic fever orthonairovirus (CCHFV)
First isolation, in-vivo and genomic characterization of zoonotic variegated squirrel Bornavirus 1 (VSBV-1) isolates.	2020	Emerging Microbes & Infections	10.1080/22221751.2020.1847604	swabs, faecal samples, tissue	rat	The variegated squirrel bornavirus 1 (VSBV-1)
Stability of African Swine Fever Virus in Carcasses of Domestic Pigs and Wild	2020	Viruses	10.3390/v12101118	Muscle, skin fat, spleen, bone marrow	pigs, wild boar	African swine fever virus (ASFV) DNA

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Boar Experimentally Infected with the ASFV "Estonia 2014" Isolate.						
Association Between Infectious Agents and Lesions in Post-Weaned Piglets and Fattening Heavy Pigs With Porcine Respiratory Disease Complex (PRDC).	2020	Frontiers in Veterinary Science	10.3389/fvets.2020.00636	lung, pleural fluids, swabs	pig	Porcine reproductive and respiratory syndrome virus (PRRSV) RNA
Targeted Modification of the Foot-And-Mouth Disease Virus Genome for Quick Cell Culture Adaptation.	2020	Vaccines	10.3390/vaccines8040583	BHK-21, CHO-K1, BHK-2P	hamster	Foot-and-Mouth Disease virus (FMDV) RNA
Analysis of the lung microbiota in dogs with Bordetella bronchiseptica infection and correlation with culture and quantitative polymerase chain reaction.	2020	Veterinary Research	10.1186/s13567-020-00769-x	BALF samples	dog	Bordetella bronchiseptica (Bb), Mycoplasma cynos (Mc)
Investigations into the presence of nidoviruses in pythons.	2020	Virology Journal	10.1186/s12985-020-1279-5	swab, liver, kidney, lungs	python	Nidovirus
Neuroglia infection by rabies virus after anterograde virus spread in peripheral neurons.	2020	Acta Neuropathologica Communications	10.1186/s40478-020-01074-6	salivary gland, swabs	mouse	neurotropic rabies virus (RABV)
Two monoclonal antibodies against glycoprotein Gn protect mice from Rift Valley Fever challenge by cooperative effects.	2020	PLoS Neglected Tropical Diseases	10.1371/journal.pntd.0008143	liver, brain, blood	mouse	Rift Valley Fever Virus (RVFV) RNA
Putative Novel Serotypes '33' and '35' in Clinically Healthy Small Ruminants in Mongolia Expand the Group of Atypical BTV.	2020	Viruses	10.3390/v13010042	blood	goats	Bluetongue virus (BTV)
Feed additives for the control of post-weaning Streptococcus suis disease and the effect on the faecal and nasal microbiota.	2020	Scientific Reports	10.1038/s41598-020-77313-6	faecal samples	pig	<i>S. suis</i> and <i>G. parvuis</i> (bacterial DNA)
Isolation and Cultivation of a New Isolate of BTV-25 and Presumptive Evidence for a Potential Persistent Infection in Healthy Goats.	2020	Viruses	10.3390/v12090983	blood	goats	Bluetongue virus (BTV)
Modulation of lethal HPAIV H5N8 clade 2.3.4.4B infection in AIV pre-exposed mallards.	2020	Emerging Microbes & Infections	10.1080/22221751.2020.1713706	swab, faecal fluid, water samples, organ homogenates	ducks	Highly pathogenic avian influenza virus (HPAIV)
Baloxavir treatment of ferrets infected with influenza A(H1N1)pdm09 virus reduces onward transmission.	2020	PLoS Pathogens	10.1371/journal.ppat.1008395	swabs	ferrets	Influenza virus
Establishment of a Challenge Model for Sheeppox Virus Infection.	2020	Microorganisms	10.3390/microorganisms8122001	blood, serum, swabs, liver, spleen, lung	sheep	Sheeppox virus (SPPV)
Non-basic amino acids in the hemagglutinin proteolytic cleavage site of a European H9N2 avian influenza virus modulate virulence in turkeys.	2020	Scientific Reports	10.1038/s41598-020-78210-8	swabs, nare, trachea, lung, airsac, pancreas, duodenum, kidney, thymus, bursa, brain	turkey	H9N2 avian influenza virus (AIV)
Comparative Pathology of Domestic Pigs and Wild Boar Infected with the Moderately Virulent African Swine Fever Virus Strain "Estonia 2014".	2020	Pathogens (Basel, Switzerland)	10.3390/pathogens9080662	serum, blood, spleen, lymph nodes, palatine tonsil, bone marrow	wild boar, pig	African swine fever virus (ASFV) DNA
A Novel Recombinant Newcastle Disease Virus Vectors DIVA Vaccine against Peste des Petits Ruminants in Goats.	2020	Vaccines	10.3390/vaccines8020205	blood, swabs	goats	Petits ruminants virus (PPRV),
Development of a Safe and Highly Efficient Inactivated Vaccine Candidate against Lumpy Skin Disease Virus.	2020	Vaccines	10.3390/vaccines9010004	lymph nodes, skin,	cattle	Lumpy Skin Disease Virus (LSDV)
Murine and related chapparrinoviruses are nephro-tropic and produce novel accessory proteins in infected kidneys.	2020	PLoS Pathogens	10.1371/journal.ppat.1008262	kidney	mouse	Mouse kidney parvovirus (MKPV)
Validation of PCR-based protocols for the detection of Echinococcus multilocularis DNA in the final host using the Intestinal Scraping Technique as a reference.	2019	Food and Water-borne Parasitology	10.1016/j.fawpar.2019.e00044	faecal samples	Fox	<i>E. multilocularis</i> (worm) DNA
International proficiency trial demonstrates reliable Schmallenberg virus infection diagnosis in endemic and non-affected countries.	2019	PLoS One	10.1371/journal.pone.0219054	serum	sheep, cattle	Schmallenberg virus
Combining fish and environmental PCR for diagnostics of diseased laboratory zebrafish in recirculating systems.	2019	PLoS One	10.1371/journal.pone.0222360		zebrafish	<i>Edwardsiella ictaluri</i> , <i>Flavobacterium columnare</i> , <i>Ichthyophthirius multifiliis</i> , Infectious

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						spleen & kidney necrosis virus (ISKNV), Zebrafish picornavirus (ZfPV-1),.....
Molecular Detection and Characterization of the First Cowpox Virus Isolate Derived from a Bank Vole.	2019	Viruses	10.3390/v11111075	swabs (nasal septum)	bank vole (mouse)	Cowpox virus (CPXV) DNA
Bat influenza viruses transmit among bats but are poorly adapted to non-bat species.	2019	Nature Microbiology	10.1038/s41564-019-0556-9		bat, ferret, mouse	Influenza A virus (IAV) - H18N11 RNA
Virulence of three European highly pathogenic H7N1 and H7N7 avian influenza viruses in Pekin and Muscovy ducks.	2019	Bmc Veterinary Research	10.1186/s12917-019-1899-4	blood	ducks	Avian Influenza virus (AIV)
Transmission of Anaplasma phagocytophilum (Foggie, 1949) by Ixodes ricinus (Linnaeus, 1758) ticks feeding on dogs and artificial membranes.	2019	Parasites & Vectors	10.1186/s13071-019-3396-9	blood	dog	genomic DNAs
Humoral immune response to repeated lumpy skin disease virus vaccination and performance of serological tests.	2019	Bmc Veterinary Research	10.1186/s12917-019-1831-y	blood	cow	Lumpy skin disease virus (LSDV)
In Vivo Characterization of Tick-Borne Encephalitis Virus in Bank Voles (Myodes glareolus).	2019	Viruses	10.3390/v11111069	blood, serum, brain, spinal cord, lung, heart, intestine, liver, spleen, kidney, bladder, testicle/uterus	bank vole (mouse)	Tick-borne Encephalitis virus (TBEV)
A Deep-Sequencing Workflow for the Fast and Efficient Generation of High-Quality African Swine Fever Virus Whole-Genome Sequences.	2019	Viruses	10.3390/v11090846	bone marrow cells (PBMC)	porc	African swine fever virus (ASFV) DNA
Long-Term Circulation of Atypical Porcine Pestivirus (APPV) within Switzerland.	2019	Viruses	10.3390/v11070653	serum	pig	Atypical Porcine pestivirus (APPV)
Determining the Replication Kinetics and Cellular Tropism of Influenza D Virus on Primary Well-Differentiated Human Airway Epithelial Cells.	2019	Viruses	10.3390/v11040377	MDBK (kidney)	bovine	Influenza D Virus
Establishment of Primary Transgenic Human Airway Epithelial Cell Cultures to Study Respiratory Virus-Host Interactions.	2019	Viruses	10.3390/v11080747	HCoV-229E, hRSV- infected cells	hAEC	
The evolution and genetic diversity of avian influenza A(H9N2) viruses in Cambodia, 2015 - 2016.	2019	PloS One	10.1371/journal.pone.0225428	chicken eggs	chicken	Low pathogenic avian influenza virus H9
Camelids and Cattle Are Dead-End Hosts for Peste-des-Petits-Ruminants Virus.	2019	Viruses	10.3390/v11121133	serum, whole blood, swabs	cattle, dromedaries	Petits ruminants virus (PPRV),
Diversity of A(H5N1) clade 2.3.2.1c avian influenza viruses with evidence of reassortment in Cambodia, 2014-2016.	2019	PloS One	10.1371/journal.pone.0226108	chicken eggs	chicken	highly pathogenic avian influenza A(H5N1)
Detection of Usutu, Sindbis, and Batai Viruses in Mosquitoes (Diptera: Culicidae) Collected in Germany, 2011-2016.	2018	Viruses	10.3390/v10070389		Mosquitoes	Sindbis virus (SINV), Batai virus (BATV), Usutu virus (USUV)
A Novel Squirrel Respirovirus with Putative Zoonotic Potential.	2018	Viruses	10.3390/v10070373	lung, brain, swabs, organ pools	squirrel	total RNA
Deletion at the 5'-end of Estonian ASFV strains associated with an attenuated phenotype.	2018	Scientific Reports	10.1038/s41598-018-24740-1	swabs, serum, tonsil, spleen, salivary gland, lung, lymph nodes	pig	ASFV (African swine fever virus) DNA
A viral race for primacy: co-infection of a natural pair of low and highly pathogenic H7N7 avian influenza viruses in chickens and embryonated chicken eggs.	2018	Emerging Microbes & Infections	10.1038/s41426-018-0204-0	swab fluids, amniotic fluids, brain, liver, heart	chicken	Highly pathogenic avian influenza virus (HPAIV)
Prevalence of common honey bee pathogens at selected apiaries in Kenya, 2013/2014	2018	Tropical Insects	10.1017/S1742758417000212	Insect (bee) homogenate	Honey bees (<i>Apis mellifera</i>)	<i>Paenibacillus larvae</i> , <i>Melissococcus plutonius</i> , <i>Ascophaera apis</i> , <i>Aspergillus</i> spp., <i>Nosema ceranae</i> , <i>N. apis</i> , <i>Deformed Wing Virus</i> , <i>Varroa destructor virus 1</i> , <i>Acute Bee Paralysis Virus</i> , <i>Sacbrood virus</i> , <i>Israeli Acute Paralysis Virus</i> , <i>Black Queen Cell</i>

Title	Year	Journal	DOI	Specimen	Organism	Target organism
Experimental Cowpox Virus (CPXV) Infections of Bank Voles: Exceptional Clinical Resistance and Variable Reservoir Competence.	2017	Viruses	10.3390/v9120391	serum	bank vole (mouse)	<i>Virus, Chronic Bee Paralysis Virus, Kashmir Bee Virus</i> Cowpox virus (CPXV) DNA
Virulence of current German PEDV strains in suckling pigs and investigation of protective effects of maternally derived antibodies.	2017	Scientific Reports	10.1038/s41598-017-11160-w	swabs	pig	Porcine epidemic diarrhea virus (PEDV) RNA
Porcine Epidemic Diarrhea Virus Shedding and Antibody Response in Swine Farms: A Longitudinal Study.	2016	Frontiers in Microbiology	10.3389/fmicb.2016.02009	Fecal and blood samples	sow, piglets	Porcine epidemic diarrhea virus (PEDV) RNA