

# VT

# SANIDAD ANIMAL

# 55

## Vigilancia Tecnológica 3<sup>er</sup> trimestre 2024



Oficina Española  
de Patentes y Marcas



OBJETIVOS  
DE DESARROLLO  
SOSTENIBLE



El Boletín de Vigilancia Tecnológica en Sanidad Animal es el resultado del trabajo conjunto de la Oficina Española de Patentes y Marcas (OEPM) y la Fundación Vet+i -Plataforma Tecnológica Española de Sanidad Animal, quienes han aunado esfuerzos para ofrecer a los adheridos de Vet+i y a cualquier interesado en sanidad animal, una información puntual, esquemática y de rápida lectura sobre las últimas patentes publicadas en este campo.

Este boletín número cincuenta y cinco recoge una selección de las solicitudes de patentes publicadas a nivel internacional durante el tercer trimestre de 2024 en el ámbito de la sanidad animal, las cuales aparecen distribuidas según la especie animal de aplicación de las mismas.

Asimismo, se incorpora un capítulo que recoge solicitudes de patentes sobre tecnologías de aplicación general y contiene un apartado de enlaces a [noticias](#) de

interés en materia de propiedad industrial, así como sobre las actividades de la Plataforma.

El boletín, que tiene una periodicidad trimestral, se enmarca dentro del convenio de colaboración suscrito por ambas organizaciones para facilitar, impulsar y estimular el conocimiento y la utilización de los derechos de Propiedad Industrial por parte de las organizaciones y empresas adheridas a la Fundación Vet+i.

Se puede acceder al listado de solicitudes de patentes para cada grupo pulsando sobre las imágenes que aparecen a continuación.

## Contenido



Bovino



Ovino y  
Caprino



Porcino



Avicultura



Acuicultura



Apicultura



Équidos



Mascotas



Varios

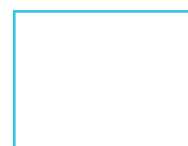
# VT Bovino



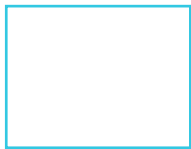
Número de publicación	Solicitante	País de origen	Contenido técnico
<a href="#">CN118272521A</a>	Xinjiang Agricultural Univ	China	The invention relates to the technical field of molecular biology, in particular to application of lncCRHR1 in preparation of a reagent or a kit for detecting bovine mastitis, and research finds that lncCRHR1 can promote proliferation of Mac-T and inhibit apoptosis of Mac-T; the overexpression of the lncCRHR1 promotes the expression of genes related to inflammatory cytokines.
<a href="#">CN118272445A</a>	Huazhong Agricultural Univ	China	A CRISPR/Cas9 gene editing technology is utilized to construct a targeting vector of a targeted MDBK cell LOC617539 gene, a cell model with LOC617539 gene knockout for resisting BVDV and BEV infection is established through vector transfection and cell screening, and virology detection results show that the LOC617539 gene knockout cell has remarkable resistance to the infection of the two viruses, and can be used for preparing a cell model for resisting BVDV and BEV infection.
<a href="#">WO2024138836A1</a>	Jinyubaoling Bio Pharmaceutical Co Ltd [Cn]	China	A heat-resistant protective agent for a live vaccine, a preparation method therefor, and use thereof.



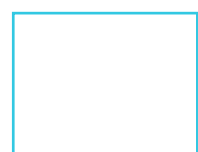
Número de publicación	Solicitante	País de origen	Contenido técnico
CN118286406A	Southwest Univ	China	The invention provides a bovine pasteurella multocida pneumonia subunit vaccine as well as a preparation method and application thereof. The invention relates to a subunit vaccine for resisting pasteurella multocida.
CN118286192A	Nanjing Agricultural Univ	China	The invention discloses an acetic acid butyric acid composition for relieving calf diarrhea and a preparation method and application thereof, and belongs to the technical field of medicines.
	Animal Husbandry And Veterinary Inst Tibet Academy Of Agricultural And Animal Husbandry Sciences		
CN118308309A	Wuhan Keqian Biological Co Ltd	China	The invention provides a bovine rotavirus bivalent inactivated vaccine and a preparation method thereof, the active ingredients of the vaccine are inactivated antigens of G8 type and G10 type bovine rotaviruses, the antigen ingredients of the inactivated bivalent vaccine are subjected to virus proliferation through a shake-flask culture process of suspension type PK-15 cells, and the obtained virus is high in virus titer, high in immunogenicity and good in immunogenicity.
CN118308291A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses a bovine viral diarrhea virus susceptible monoclonal cell strain as well as a preparation method and application thereof, and belongs to the technical field of biomedicine. The bovine viral diarrhea virus susceptible monoclonal cell strain is named as a bovine kidney passage cell line MDBK-C14.



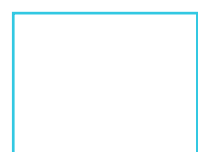
Número de publicación	Solicitante	País de origen	Contenido técnico
CN118307649A	Qingdao Ruierweite Bio-technology Co Ltd	China	The invention relates to a bovine viral diarrhea virus Erns recombinant protein and a preparation method and application of a monoclonal antibody of the bovine viral diarrhea virus Erns recombinant protein, and belongs to the technical field of biology.
CN118340888A	Huazhong Agricultural Univ	China	The invention discloses an application of ENPP3 gene as a target spot in preventing and treating bovine tuberculosis, the survival of mycobacterium bovis, mycobacterium tuberculosis, mycobacterium bovis BCG and mycobacterium smegmatis in host cells can be obviously inhibited by knocking out or knocking down the ENPP3 gene.
CN118355914A	Lanzhou Univ	China	The purine compound disclosed by the invention is used for agricultural fungi such as rhizoctonia solani, botrytis cinerea, magnaporthe oryzae and the like; the pesticide composition can be applied to agricultural bacteria such as Xanthomonas oryzae pv.
CN118389467A	China Agricultural Univ	China	The invention discloses a preparation method and application of porcine antibacterial peptide modified yak stomach lysozyme, and relates to the technical field of bioengineering, and the technical key points are as follows: pGAPZ alpha-MLYZ and pGAPZ alpha-Z-MLYZ recombinant plasmids are successfully constructed by a homologous recombination method, and recombinant protein is successfully expressed in pichia pastoris, so that the porcine antibacterial peptide modified yak stomach lysozyme is obtained.



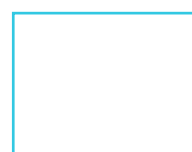
Número de publicación	Solicitante	País de origen	Contenido técnico
CN118389527A	Yangzhou Univ	China	The invention belongs to the technical field of molecular biology, and provides a specific transcript SOD2-MST related to cow mastitis and application thereof. According to the invention, through a high-throughput sequencing technology, a gene specific transcript SOD2-MST (SOD2-Mastitis Specific Transcript) with obvious expression is screened from the mastitis tissue of the dairy cow, and the total length of the gene specific transcript SOD2-MST (SOD2-Mastitis Specific Transcript) is 2002 nt.
CN118388642A	Biology Inst Of Shanxi Co Ltd	China	The invention relates to the technical field of nano-antibodies, in particular to a nano-antibody targeting BVDV structural protein E2 as well as preparation and application of the nano-antibody.
WO2024156767A1	Nutreco Nederland Bv	Netherlands	The present invention provides a method of feeding a pre-ruminant or ruminant animal, said method comprising the step of administering to said animal a herbal oil/extract composition. Moreover, the invention provides a composition comprising such herbal oil/extract composition. Also, the invention provides a method of preventing and/or treating parasitic infections and diseases caused thereby such as cryptosporidiosis using such herbal oil/extract composition.



Número de publicación	Solicitante	País de origen	Contenido técnico
<a href="#">WO2024159172A1</a>	Senda Biosciences Inc	USA	The disclosure also includes a method for making a modified lipid composition, comprising reconstructing (a) a structural component comprising one or more lipids selected from the group consisting of soy-derived lipids, cardiolipin, sphingolipid, ceramide, glucosyl ceramide, lactosyl ceramide, galactosyl cholesterol, and/or glucosyl cholesterol in the presence of (b) an ionizable lipid, to produce the modified lipid composition, and loading into the modified lipid composition with one or more heterologous functional agents.
<a href="#">CN118443936A</a>	Univ Yangzhou	China	ELISpot kit for detecting Brucella infection in cattle and sheep for non-diagnostic purpose that includes epidemiological analysis and research.
<a href="#">CN118452325A</a>	Chenguang Biotech Group Co Ltd	China	Use of the composition in bacteriostasis for non-disease diagnosis and treatment purposes, in improving milk yield of milk cow, in preparing a bacteriostatic product, in preparing a product for preventing and/or treating bovine mastitis, improving milk yield of milk cow and enhancing the immunity of the milk cow, and in preparing feed additive, feed or medicine.
<a href="#">CN118460435A</a>	Feed Res Inst Caas	China	The L.reuteri is useful for preparing a medicine or a feed additive for inhibiting bacteria, preferably Escherichia coli , Staphylococcus aureus or Salmonella , and reducing animal diarrhea.
<a href="#">CN118460698A</a>	Univ Xinjiang Agricultural	China	The bta-microRNA(miR)-320d in the preparation of a reagent or kit for detecting bovine mastitis and in the preparation of a preparation for treating bovine mastitis (claimed) and for promoting the apoptosis of Mac-T.



Número de publicación	Solicitante	País de origen	Contenido técnico
CN118453865A	Liaoning Kaiwei Biotechnology Co Ltd	China	The nano-antibacterial composite material can be prepared using safe and non-toxic raw materials, and does not cause irritation to the nipple skin of milk cow. The composite material can effectively kill a variety of bacteria, and is capable of forming a thin film layer on the nipple surface after use to prevent the invasion of pathogenic bacteria.
CN118480514A	Univ Shanghai Jiaotong	China	The Klebsiella pneumoniae phage: isolates two Klebsiella pneumoniae phages SWPA1 and SWPA2. Klebsiella pneumoniae and Escherichia coli phage cocktail disinfection composition, the combination of JPW and PAA can significantly reduce the number of bacteria on the body surface of dairy cows and in the cattle farm environment.
CN118497184A	Jiangsu Acad Agricultural Sci	China	The phage complex effectively protects the phage lytic activity, so that is not affected by high temperature drying and shear force during the spray drying process, and still maintains a certain biological stability, prevents the active ingredients of bacteriophages from being degraded by the digestive tract environment of livestock and poultry, by inhibiting pathogenic bacteria and drug-resistant bacteria in the intestines of livestock and poultry.
CN118497273A	Univ Southwest Nationalities	China	A bovine nebovirus (BNeV) and bovine norovirus (BNoV) double recombinant adenovirus shuttle plasmid, where the double recombinant adenovirus shuttle plasmid carries viral protein 1 (VP1) structural protein gene of BNeV and BNoV, is new. The VP1 structural protein gene of BNeV comprising nucleotide sequence of SEQ ID NO: 1 (sequence not defined).
	Aba Prefecture Animal Husbandry Science And Tech Research Institute		

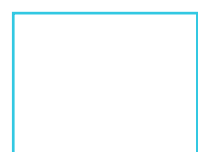


Número de publicación	Solicitante	País de origen	Contenido técnico
CN118490821A	Univ Nanchang	China	The immune adjuvant can completely replace mineral oil adjuvant and aluminum gel adjuvant when used in the production of inactivated vaccines. The inactivated vaccine comprises Newcastle disease inactivated vaccine, infectious bronchitis inactivated vaccine, bovine foot-and-mouth disease inactivated vaccine, or swine mycoplasma pneumonia inactivated vaccine.
JP2024112294A	(Kyot)	Japan	Vaccine used for preventing, alleviating or treating the infectious diseases of animals, where infectious disease is, e.g., infectious bovine rhinotracheitis, bovine viral diarrhea-mucosal disease, bovine respiratory syncytial virus infection, bovine adenovirus infection, Pasteurella multocida, Mannheimia haemolytica, Ibaraki disease, Escherichia coli, Aino virus infection, Clostridium chauvoei. Test details are described but no results given.
WO2024170728A1	Vaxinano	France	The invention relates to the field of vaccine compositions. The invention more particularly relates to a prophylactic vaccine composition that is intended for mammals and birds and comprises a killed whole bacterium, said bacterium being covered with a cationic agent, in particular cationic nanoparticles.
WO2024172784A1	Bursa Uludag Ueniversitesi	Turkey	The present invention provides a pharmaceutical composition that elicits a homologous immune response against Bovine viral diarrhea virus (BVDV) infection. Said pharmaceutical composition; BVDV-11 strain includes components selected from a group consisting of BVDV-1 f strain, BVDV-2b strain.

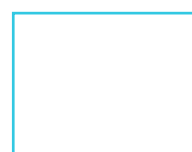




Número de publicación	Solicitante	País de origen	Contenido técnico
WO2024168828A1	Spirit Jinyu Biological Pharmaceutical Co Ltd	China	The present invention relates to the technical field of veterinary vaccine adjuvants, and in particular to a vaccine adjuvant, a preparation method therefor, and a use thereof. A veterinary vaccine further prepared according to the present invention has the advantages of high stability, high safety, long standing without delamination, and easy injection, and can induce long and efficient immune response of a body.
WO2024175759A1	Inst Nat Sante Rech Med	France	The gut-to-lung axis is critical during respiratory infections, including influenza A virus (IAV) infection. In the present study, the inventors used high-resolution shotgun metagenomics and targeted metabolomics analyses to characterize influenza-associated changes in the mouse gut microbiota's composition and metabolism.
	Centre Hospitalier Univ De Lille		
	Centre Nat Rech Scient		
	Pasteur Institut		
	Univ Lille		
WO2024174005A1	Charles Sturt Univ	Australia	A method and system for diagnosing disease in offal of livestock is disclosed. The method for diagnosing disease in offal of livestock comprises: capturing an image of the offal; inputting the image of the offal to one or more pre-trained neural network models of healthy or unhealthy tissue for processing.
WO2024174004A1	Charles Sturt Univ	Australia	A method of processing offal at an abattoir and a method of diagnosing disease in livestock is disclosed.



Número de publicación	Solicitante	País de origen	Contenido técnico
CN118557577A	Univ Inner Mongolia Agri	China	Biofilm inhibitor for inhibiting the generation of the cattle respiratory tract <i>Pasteurella multocida</i> biofilm used for reducing the adhesion value of strong positive strains of bovine respiratory tract <i>Pasteurella multocida</i> biofilm and reducing the growth, formation of bacterial biofilm, and reducing the expression of bacterial biofilm formation related genes flagellar biosynthesis gene A (fliA), locus of enterocyte effacement secreted protein (luS), Motor protein A (motA) at molecular level and reducing the production of bacterial biofilm (all claimed).
CN118556796B	(Inne)	China	Use of rumen-bypass glutathione is claimed as feed additive for preventing and treating ketosis and mammitis of cows. The rumen-bypass glutathione is obtained by processing glutathione by microcapsule coating rumen-bypass technology.
CN118580323A	(Suzh)	China	Mutant of respiratory syncytial virus pre-fusion F protein, where the $\alpha 3$ helical region of the F1 polypeptide has a cysteine substituent 1, and the $\beta 3$ sheet region has a cysteine substituent 2, where the cysteine substituent 1 and the cysteine substituent 2 form a disulfide bond.
CN118593549A	(Usag)	China	Use of combination of <i>Lactobacillus acidophilus</i> and epigallocatechin gallate in preparing medicine against colibacillosis of livestock and poultry, and for e.g. reducing spleen index, improving neutrophil, and reducing lymphocyte and hemoglobin.
WO2024178484A1	Provincial Health Services Authority Uvic Ind Partnerships Inc	Canada	Antimicrobial peptides (AMPs) exhibiting broad spectrum antimicrobial activity are described.



Número de publicación	Solicitante	País de origen	Contenido técnico
CN118593483A	(Unaf)	China	The indoleacrylic acid is used in the preparation of medicine for treating and/or alleviating diarrhea caused by Clostridium perfringens , treating intestinal barrier dysfunction, reducing Sutterella associated with inflammatory bowel disease.
CN118599879A	(Uyyt)	China	The recombinant expression cassette or the recombinant expression vector or the recombinant B.subtilis is used in producing cecropin B. The recombinant B.subtilis is used in preparing a medicine for preventing and treating diseases caused by gram-negative bacteria.
WO2024184798A1	Welfare Concepts Ltd	New Zealand	A teat sealant composition that does not contain a bismuth salt, a method of preparing same, and a method of preventing a new intramammary infection or mastitis.
WO2024173925A1	Ohio State Innovation Foundation	USA	Methods and compositions for promoting axon growth and/or regeneration in a mammal in need thereof.

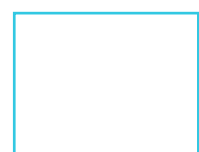




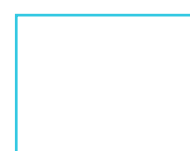
# Ovino y Caprino



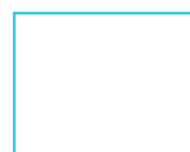
Número de publicación	Solicitante	País de origen	Contenido técnico
<a href="#">WO2024156767A1</a>	Nutreco Nederland Bv	Netherlands	The present invention provides a method of feeding a pre-ruminant or ruminant animal, said method comprising the step of administering to said animal a herbal oil/extract composition. Also, the invention provides a method of preventing and/or treating parasitic infections and diseases.
<a href="#">CN118497184A</a>	Jiangsu Acad Agricultural Sci	China	The phage complex effectively protects the phage lytic activity, prevents the active ingredients of bacteriophages from being degraded by the digestive tract environment of livestock and poultry, by inhibiting pathogenic bacteria and drug-resistant bacteria in the intestines of livestock and poultry.
<a href="#">CN118460483A</a>	Univ Yulin	China	A strain of Escherichia coli phage (Myoviridae phage) PE004 from white cashmere goats in northern Shaanxi (CGMCC No. 45967), and a strain of Salmonella phage (Siphophages phage) PS006 from white cashmere goats in northern Shaanxi (CGMCC No. 459678), are new.



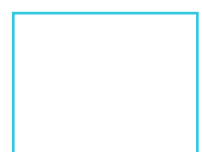
Número de publicación	Solicitante	País de origen	Contenido técnico
WO2024170728A1	Vaxinano	France	The invention relates to the field of vaccine compositions. The invention more particularly relates to a prophylactic vaccine composition that is intended for mammals and birds and comprises a killed whole bacterium, said bacterium being covered with a cationic agent, in particular cationic nanoparticles.
WO2024174004A1	Charles Sturt Univ	Australia	A method of processing offal at an abattoir and a method of diagnosing disease in livestock is disclosed.
CN118516316A	Univ Qingdao Agricultural	China	The myoviridae phage $\phi$ PTK is used in preparing a drug for preventing and/or treating lamb diarrhea. The lamb diarrhea includes diarrhea caused by Escherichia coli . The myoviridae phage $\phi$ PTK is used in preparing a bactericide (all claimed).
	Jiangsu Acad Agricultural Sci		
CN118497141A	Univ Qingdao Agricultural	China	The Escherichia coli phage LHE287 is useful in preparing composite biological formulation containing antibiotics for reducing dosage of antibiotics, and preparing biological formulation for preventing and treating diseases or pollution caused by pathogenic Escherichia coli.
	Jiangsu Acad Agricultural Sci		
CN118593549A	(Usag)	China	Use of combination of Lactobacillus acidophilus and epigallocatechin gallate in preparing medicine against colibacillosis of livestock and poultry, and for e.g. reducing spleen index, improving neutrophil, and reducing lymphocyte and hemoglobin.
WO2024178484A1	Provincial Health Services Authority	Canada	Antimicrobial peptides (AMPs) exhibiting broad spectrum antimicrobial activity are described.
	Uvic Ind Partnerships Inc		



Número de publicación	Solicitante	País de origen	Contenido técnico
CN118443936A	Univ Yangzhou	China	ELISpot kit for detecting Brucella infection in cattle and sheep for non-diagnostic purpose that includes epidemiological analysis and research.
CN118599697A	(Hami)	China	New sheep Mycoplasma mycoides subspecies capri HMMY20231001 strain used in preparing Mycoplasma mycoides subspecies capri inactivated vaccine.
CN118599879A	(Uyyt)	China	The recombinant B.subtilis is used as animal health product to prevent and treat digestive tract bacterial diseases in livestock, poultry and aquatic animals.
CN118526609A	Univ Nanjing Agricultural	China	The medicine comprises recombinant carrier and recombinant protein is used for preventing or treating diseases related to sheep Pasteurella infection, preferably D-type Pasteurella multocida (claimed).
CN118460435A	Feed Res Inst Caas	China	The L.reuteri is useful for preparing a medicine or a feed additive for inhibiting bacteria, preferably Escherichia coli , Staphylococcus aureus or Salmonella , and reducing animal diarrhea.
CN118599789A	(Chon)	China	A contagious pustular dermatitis virus CQ-18 strain (CGMCC 45878), is new. Use of the strain in preparation of a vaccine for preventing contagious pustular dermatitis in sheep.
CN118453918A	China Inst Veterinary Drugs Control	China	The method is useful for testing efficacy of S.equi subsp. zooepidemicus inactivated vaccine and as a substitute for sheep in evaluating the efficacy of S.equi subsp. zooepidemicus inactivated vaccine.



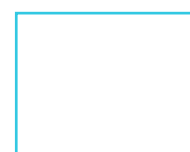
Número de publicación	Solicitante	País de origen	Contenido técnico
JP2024112294A	(Kyot)	Japan	Vaccine used for preventing, alleviating or treating the infectious diseases of animals, e.g., livestock animal or a pet animal (all claimed), where infectious disease is, e.g., infectious bovine rhinotracheitis, bovine viral diarrhea-mucosal disease, bovine respiratory syncytial virus infection, bovine adenovirus infection, Pasteurella multocida, Mannheimia haemolytica, Ibaraki disease, Escherichia coli, Aino virus infection, Clostridium chauvoei.
WO2024173925A1	Ohio State Innovation Foundation	USA	Methods and compositions for promoting axon growth and/or regeneration in a mammal in need thereof.



# VT Porcino

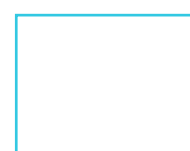


Número de Publicación	Solicitante	País de origen	Contenido técnico
WO2024148227A2	Univ Illinois Fre	USA	Oligonucleotide primers, kits and methods for the detection of African swine fever virus (ASFV) using loop-mediated isothermal amplification (LAMP) reactions are described. The oligonucleotide primers target the p72 gene of ASFV.
	Inst De Recerca I Tecnologia Agroalimentaries Irta	Spain	
	Fredrickson Richard Lincoln	USA	
WO2024168177A2	Univ Kansas State	USA	A safe and efficacious live-attenuated vaccine is presented, (LAV) VNUA-ASFV-LAVL2, generated by serial passaging of a field isolate (VNUA-ASFV-05L1, genotype II) in porcine alveolar macrophage (PAMs, 65 passages) and an immortalized porcine alveolar macrophage cell line (3D4/21, 55 passages).
	Vietnam National Univ Of Agriculture	Vietnam	
CN118512394A	Jiangxi Yixinbao Biotechnology Co Ltd	China	The synergistic agent: adopts $\alpha$ -cyclodextrin and the stabilizing agent, which can improve the stability and sterilizing effect of the cephalosporin injection; can form synergistic effect, promotes absorption of cephalosporin medicine, and improves clinical treatment effect of respiratory tract and intestinal disease of pig.

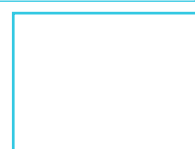




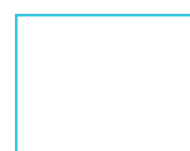
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118490692A	Univ Huazhong Agricultural	China	Use of (2-benzyloxynaphthalen-1-ylmethyl)butylamine in preparation of antiviral drug for porcine reproductive and respiratory syndrome virus, African swine fever virus, and feline infectious peritonitis virus (all claimed).
CN118593527A	(CHEN)	China	Use of hyperoside for inhibiting porcine reproductive and respiratory syndrome virus infection, where hyperoside used is monomer or plant extract containing hyperoside and disease caused by porcine reproductive and respiratory syndrome virus infection is porcine reproductive and respiratory syndrome.
CN118344489A	Chen Jiayong	China	Porcine actinobacillus pleuropneumoniae fusion protein and application thereof. The fusion protein disclosed by the invention is a fusion protein comprising a GalT protein and a GalU protein of actinobacillus pleuropneumoniae of pigs; or the combined protein of the GalT protein and the GalU protein of the actinobacillus pleuropneumoniae.
CN118557715A	Hangzhou Yisikang Pharmaceutical Tech Co Ltd	China	Genetically engineered subunit vaccine comprising a porcine Actinobacillus pleuropneumoniae protein composition and a pharmaceutical water-in-oil-in-water adjuvant, is new.
	Zhejiang Hongsheng Biotechnology Co Ltd		
CN118576577A	(UYYZ)	China	Use of capsaicin in preparing medicine or pharmaceutical composition or feed additive for preventing and/or treating diarrhea of piglet and intestinal coronavirus including porcine transmissible gastroenteritis virus, porcine epidemic diarrhea virus and/or porcine delta coronavirus



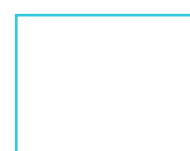
Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">CN118360255A</a>	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses an African swine fever virus strain. The microbial preservation number of the African swine fever virus strain is CCTCC (China Center For Type Culture Collection) NO: V202404.
<a href="#">CN118304413A</a>	Huazhong Agricultural Univ	China	The invention discloses a host factor participating in African swine fever virus infection and a disease-resistant target application, and in a swine LLC-PK1 cell line which is highly susceptible to African swine fever virus and has a clear genetic background, a WDR91 gene participating in African swine fever virus infection is screened based on a porcine whole genome CRISPR/Cas9 knockout library.
<a href="#">CN118286200A</a>	Heilongjiang Bayi Agricultural Univ	China	The invention provides application of 7, 8-dihydroxy flavone in preparation of a medicine for resisting porcine intestinal coronavirus, and the porcine intestinal coronavirus comprises porcine epidemic diarrhea virus (PEDV), porcine transmissible gastroenteritis virus (TGEV) and porcine delta coronavirus (PDCoV).
<a href="#">CN118344494A</a>	Inst Of Animal Health Guangdong Academy Of Agricultural Sciences	China	The invention belongs to the technical field of pathogen disease prevention and treatment, and particularly relates to a haemophilus parasuis IRP protein N-terminal and RLPB protein fusion antigen and application. The amino acid sequence of the fusion antigen is shown as SEQ ID NO: 1.
<a href="#">WO2024170728A1</a>	Vaxinano	France	The invention more particularly relates to a prophylactic vaccine composition that is intended for mammals and birds and comprises a killed whole bacterium, said bacterium being covered with a cationic agent, in particular cationic nanoparticles.



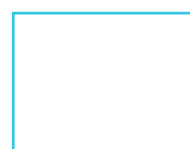
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118477172A	Zhejiang Dingchi Biological Products Co Ltd	China	Triple inactivated vaccine useful in preparing medicine for preventing porcine circovirus 2b and 2d, and porcine circovirus 3 comprises e.g. PCV2b Cap antigen, PCV2d Cap antigen, PCV3 Cap3 antigen, Mycoplasma hyopneumoniae antigen, and swine erysipelas SpaA-DC2-TH2 antigen.
	Beijing Dingchi Biotechnology Co Ltd		
CN118580344A	(UYHR)	China	New anti-African swine fever virus B117L-213 protein monoclonal antibody comprising heavy and light chain variable region having amino acid sequences used for preparing African swine fever virus polypeptide vaccine, and medicine for preventing and treating African swine fever virus.
CN118516408A	Univ Beijing Agriculture	China	Use of overexpression phosphatidylethanolamine binding protein 4 protein in promoting porcine reproductive and respiratory syndrome virus proliferation.
CN118598953A	(CHAN)	China	New porcine reproductive and respiratory syndrome virus immunogenic protein GP4 useful in preparing microbial preparation for preventing porcine reproductive and respiratory syndrome virus infection.
CN118421572A	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal He	China	The invention particularly relates to an attenuated African swine fever virus strain without twenty-four genes and application of the attenuated African swine fever virus strain as a vaccine.
CN118497236A	Univ Jilin Agricultural	China	New fusion gene comprising gene encoding adjuvant cholera toxin B subunit, and gene encoding P49 protein, P22 protein, K205R protein, A137R protein and/or E248R protein, used for preventing and treating African swine fever in pigs.



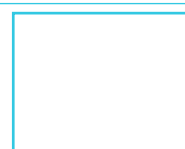
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118599747A	(ANIM)	China	Recombinant Bacillus subtilis used in preparing medicine, and oral vaccine for preventing porcine reproductive and respiratory syndrome, is obtained by introducing expression vector with Bacillus subtilis spore capsid protein gene and porcine reproductive and respiratory syndrome virus antigen gene.
CN118319912A	Foshan Univ	China	The invention belongs to the technical field of prevention and treatment of porcine reproductive and respiratory syndrome, and particularly discloses application of neferine in preparation of a medicine for inhibiting porcine reproductive and respiratory syndrome virus.
CN118526478A	Univ South China Agricult	China	Use of class of N-(phenyl) benzamide compounds and their salts, crystal forms, solvates, and isotope-substituted compounds in preparation of medicines for anti-porcine reproductive and respiratory syndrome virus infection.
CN118453581A	Univ Henan Agricultural	China	Application of Mrlactone 1 in preparation of drugs for prevention and treatment of porcine reproductive and respiratory syndrome, where Mrlactone 1 has effect of inhibiting growth and development of porcine reproductive and respiratory syndrome virus in cells.
CN118562746A	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal He	China	Use of attenuated African swine fever virus strain prepared by combining deleting gene fragments in type two African swine fever virus strain, where gene fragments comprises all/partial nucleotide sequences of multi-genes family gene and all/partial nucleotide sequences of multi-genes family gene.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118330215A	South China Agricultural Univ	China	The invention belongs to the technical field of virus detection, and discloses a capture ELISA kit for detecting an IgM antibody based on African swine fever pK205R.
CN118384161A	South China Agricultural Univ	China	The invention belongs to the technical field of biological medicines, and particularly relates to application of a small molecule compound in preparation of an anti-coronavirus medicine.
CN118562741A	Tecon Biopharmaceutical Co Ltd	China	New hybridoma cell line 1B6 used in preparing swine fever virus detection product for identifying swine fever virus and E2 protein, determining content of swine fever virus, and detecting swine fever antigen.
CN118497146A	Sinopharm Animal Health Co Ltd	China	New porcine reproductive and respiratory syndrome virus strain 17-0078 useful in preparing inactivated vaccine of porcine reproductive and respiratory syndrome, in preparing protein or polypeptide for use as immunogen, and in preparing protein antigen for detecting specific antibodies in serum.
CN118530369A	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal He	China	New swine fever virus E2-IL28B fusion protein comprises specific nucleotide sequence for preparing swine fever subunit vaccine and preparing biological product for treating or preventing swine fever infection and related diseases.
CN118304281A	Henan Agricultural Univ	China	The invention belongs to the technical field of biological medicines, and particularly discloses application of lycopene in preparation of a medicine for preventing and/or treating porcine reproductive and respiratory syndrome virus infection.



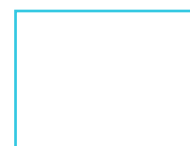
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118360258A	Guangzhou Anhe Animal Prot Biotechnology Co Ltd	China	The invention belongs to the field of biology, and discloses a recombinant porcine acute diarrhea syndrome coronavirus, which is obtained by replacing an ORF3a gene of SADS-CoV with a COE + S1D fragment of a porcine epidemic diarrhea virus S gene connected with a targeting peptide gene, the COE + S1D fragment is a tandem epitope formed by connecting a COE antigen epitope and an S1D antigen epitope of the S gene of the porcine epidemic diarrhea virus in series.
CN118496323A	(YANG)	China	New conserved neutralizing epitope QT7 of major glycoprotein 5 of envelope of North American porcine reproductive and respiratory syndrome virus having specific amino acid sequence, used in detection kit for detecting porcine reproductive and respiratory syndrome virus-2 antibodies or vaccine.
CN118453848A	Qyh Biotech Co Ltd	China	Vaccine diluent for preparing pig vaccine, which is swine fever vaccine, and its vaccine strain is rabbit-attenuated strain, comprises sodium chloride, disodium hydrogen phosphate, monopotassium phosphate, ginseng polysaccharide, matrine and water for injection as solvent.
	Nanjing Qianyuanhao Biotechnology Co Ltd		
CN118459556A	Univ China Pharma	China	New optimized nucleotide sequence of African swine fever virus protein p30 for use in messenger RNA of African swine fever virus protein p30 used in preparation of messenger RNA vaccine, and medicine for preventing African swine fever.
CN118319919A	West China Hospital Sichuan Univ	China	The invention provides application of a compound in preparation of a medicine for resisting porcine reproductive and respiratory syndrome virus, and belongs to the field of chemical medicine.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118291571A	Hunan Canzoho Biotechnology Co Ltd	China	The invention discloses schizochytrium limacinum peptide chelated selenium, a preparation method and application of the schizochytrium limacinum peptide chelated selenium in inhibition of porcine reproductive and respiratory syndrome in piglet bodies.
CN118497184A	Jiangsu Acad Agricultural Sci	China	The phage complex effectively protects the phage lytic activity, so that is not affected by high temperature drying and shear force during the spray drying process, and still maintains a certain biological stability, prevents the active ingredients of bacteriophages from being degraded by the digestive tract environment.
WO2024144320A1	Cj Cheiljedang Corp	South Korea	The present application relates to an antiviral composition, an immunity-enhancing composition, a feed, or a feed additive, comprising nucleoside analogues derived from a nucleotide.
CN118490821A	(NANU) Immune adjuvant useful in preparing inactivated vaccine	China	The immune adjuvant can completely replace mineral oil adjuvant and aluminum gel adjuvant when used in the production of inactivated vaccines.
CN118512587A	Longkuo Suzhou Biological Eng Co Ltd; Shanghai Chuang Hong Biotechnology Co Ltd	China	Vaccine adjuvant used in porcine reproductive and respiratory syndrome vaccine, comprises water-soluble suspension obtained by adding methionine, silybin, polylactic-co-glycolic acid copolymer, metformin and stabilizer to deionized water.
CN118383808A	Chengdu Guchun Biotechnology Co Ltd	China	The invention discloses a virus detection sampling device for African swine fever.

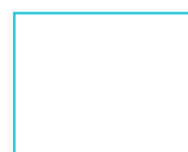


Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118593549A	(USAG)	China	Use of combination of Lactobacillus acidophilus and epigallocatechin gallate in preparing medicine against colibacillosis of livestock and poultry, and for e.g. reducing spleen index, improving neutrophil, and reducing lymphocyte and hemoglobin.
CN118460435A	Feed Res Inst Caas	China	The L.reuteri is useful for preparing a medicine or a feed additive for inhibiting bacteria, preferably Escherichia coli , Staphylococcus aureus or Salmonella , and reducing animal diarrhea.
WO2024162594A1	Bjbiochem Co Ltd	South Korea	The present invention relates to an antibacterial, bactericidal, and preservative composition and thus can be used as an ecofriendly infectious disease prevention composition for virus control.
WO2024155943A2	Univ Kansas State	USA	The present disclosure provides immunogenic compositions or vaccines against African Swine Fever Virus (ASFV).
CN221450624U	Xiajin Xinxiwang Liuhe Agriculture And Animal Husbandry Co Ltd	China	The utility model discloses an African swine fever tail minimally invasive blood sampling device.
	Qingdao Xinmu Zhikang Biotechnology Co Ltd		
	Shandong New Hope Liuhe Agriculture And Animal Husbandry Tech Co Ltd		
	Shandong New Hope Liuhe Group Co Ltd		
	New Hope Liuhe Co Ltd		
	Juye Xinhao Farming Co Ltd		
CN118389453A	Jiangxi Agricultural Univ	China	The invention provides a broad-spectrum salmonella bacteriophage and application thereof, and belongs to the technical field of microorganisms.





Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118615271A	(CAGS)	China	Use of S-(1E)-1,2-dichloroethenyl-L-cysteine or its salt in preventing and treating African swine fever by inhibiting expression of p72 protein and replication of African swine fever virus (ASFV) and number of copies of ASFV genes.
WO2024189198A1	Intervet Int B V	Netherlands	The invention pertains to a live attenuated African swine fever virus Georgia 2007 (ASFV-G) Δ9GL/ΔUK strain for use in a vaccine for protecting a pregnant swine against an infection with African swine fever virus (ASFV) by administering the vaccine comprising the live attenuated ASFV-G-Δ9GL/ΔUK strain to the pregnant swine.
	Intervet Inc	USA	
WO2024173925A1	Ohio State Innovation Foundation	USA	Methods and compositions for promoting axon growth and/or regeneration in a mammal in need thereof.
CN118497141A	Univ Qingdao Agricultural	China	The Escherichia coli phage LHE287 is useful in preparing composite biological formulation containing antibiotics for reducing dosage of antibiotics.
	Jiangsu Acad Agricultural Sci		
CN118359708A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses a North American porcine reproductive and respiratory syndrome virus monoclonal antibody and application thereof, and relates to the technical field of biological detection.
CN118480119A	Shanghai Acad Agri Sciences	China	Monoclonal antibody comprising heavy chain variable region and light chain variable region, where the heavy chain variable region comprises HCDR1.
CN118389390A	Jilin Agricultural Univ	China	The invention provides lactic acid bacteria for expressing an African swine fever virus fusion antigen and application of the lactic acid bacteria.



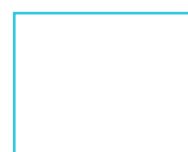
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118320079A	Huazhong Agricultural Univ	China	The invention belongs to the field of antiviral drugs, and discloses application of porphyrin compounds or pharmaceutically acceptable salts thereof in preparation of anti-porcine virus drugs
CN118388605A	Inst Of Animal Science And Veterinary Medicine Shandong Academy Of Agricultural Sciences	China	The invention belongs to the technical field of protein recombinant expression, and provides a PCV3 Cap protein and application thereof.
WO2024170920A1	Etvoes Lorand Tudományegyetem	Hungary	The invention relates to compounds for use in the prevention or the treatment of infections caused by a coronavirus. In particular compounds extracted from <i>Darksidea</i> spp. are provided for use in the treatment of a coronavirus infection, in particular an infection by feline coronavirus or porcine coronavirus.
	Hun Ren Tamogatott Kutatocsoportok Irodaja		
	Hun Ren Termeszettudományi Kutatkozepont		
	Nemzeti Elelmiszertudományi Biztonsági Hivatal		
	Allatorvostudományi Egyetem		
CN118593490A	(UHZA)	China	Use of 1-(4-fluoro-3-(trifluoromethyl)phenyl)-3-(5-(pyridin-4-yl)-1,3,4-thiadiazol-2-yl)urea (ML216) as helicase inhibitor in preparing medicine for treating or preventing virus infection and inhibiting replication of porcine delta coronavirus.
CN118490679A	Univ Henan Agricultural	China	Use of artemisinin in preparing medicine for inhibiting phosphorylated AKT (pAKT) expression level, for inhibiting/reducing PRRSV replication or proliferation by inhibiting the expression level of pAKT; for reducing porcine reproductive and respiratory syndrome virus (PRRSV) load.
CN118291490A	Tiankang Pharmaceutical Co Ltd	China	The invention provides a porcine circovirus bivalent subunit antigen and a preparation method thereof, and relates to the technical field of biology.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118307647A	Tecon Biopharmaceutical Co Ltd	China	The PCV2Cap protein which is good in solubility and immunogenicity and high in expression quantity is obtained by modifying the amino acid sequence of the PCV2Cap protein and utilizing a yeast expression system for expression.
CN118286402A	Yibin Vocational & Technical College	China	The invention belongs to the fields of biological medicine and virus infection, and particularly relates to application of HDAC2 in an Nsp11 endonuclease dependent porcine reproductive and respiratory syndrome virus inhibitor.
CN118319899A	Henan Agricultural Univ	China	The invention relates to the field of biological medicine, in particular to an application of Engydontiutone H in preparation of a broad-spectrum antiviral drug.
CN118272408A	Jiangsu Nannong Hi Tech Co Ltd	China	The invention belongs to the technical field of biology, and particularly relates to a recombinant baculovirus for fusion expression of porcine circovirus type 2 Cap protein and somatostatin and application of the recombinant baculovirus in vaccine preparation.
CN118593493A	(CAGS)	China	Use of 2-methoxy-4-[(1E)-3-oxo-3-[(3E)-2-oxo-3-[(3,4,5-trimethoxyphenyl)methylidene]piperidin-1-yl]prop-1-en-1-yl]phenyl acetate in preparation of medicine for preventing and treating African swine fever.
CN118580345A	(UYHR)	China	New anti-African swine fever virus (ASFV) DP96R protein monoclonal antibody useful for preparing medicine for preventing and treating African swine fever and product for detecting ASFV.
CN118515745A	Hunan Paizhi Biotechnology Co Ltd	China	New mutant of S protein of porcine delta coronavirus comprising specific amino acid sequence used for neutralizing porcine delta coronavirus.

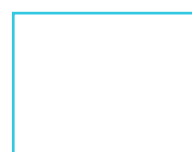


Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118496350A	Hebei Guoan Biological Eng Co Ltd; Univ Hebei Agriculture	China	New porcine circovirus type 3 Cap monoclonal antibody for identifying antigenic epitope by peptide scanning method, analyzing and screening the immunogenicity of epitope, and for screening antigenic epitope.
CN118291398A	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal He	China	The invention belongs to the technical field of bioengineering, and particularly relates to an attenuated African swine fever virus strain without three genes and application of the attenuated African swine fever virus strain as a vaccine.
CN118291400A	Shanxi Agricultural Univ	China	The invention discloses PCV3VLPs based on a prokaryotic expression chimeric PCV2 (porcine circovirus 2) neutralizing epitope as well as preparation and application of the PCV3VLPs.
CN118453624A	Univ Yangzhou	China	Use of I73R protein compound i.e. 2-((E)-((10R,13S)-17-hydroxy-10,13-dimethyl-7,8,9,11-tetrahydro-1H-cyclopenta[a]phenanthren-
WO2024187287A1	Univ Of Saskatchewan	Canada	Fusion polypeptides, and their use in subunit vaccine compositions to elicit immune responses against two or more pathogens are described, as well as polynucleotides encoding therefor. Also described are methods for treating and preventing infection by two or more pathogens.
WO2024149990A1	Univ Oxford Innovation Ltd	United Kingdom	The present invention relates to compounds of formula (I) which are inhibitors of 3C like proteases, pharmaceutical compositions comprising such compounds, and the compounds for use in methods of treating viral infections caused by viruses comprising 3C-like proteases.

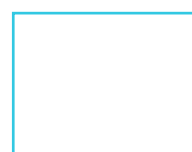


Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118561991A	(CAGS)	China	Nano-antibody KR-2 useful for identifying, preventing, diagnosing/treating African swine fever virus, prepared by amplifying nucleotide sequence encoding nanobody KR-2, connecting nucleotide sequence with vector/plasmid, transforming expression vector of nanobody KR-2 into bacteria and purifying.
CN118599730A	(CNAD)	China	New strain of Actinobacillus pleuropneumoniae APP-SD202311 used as model bacterium for drug-resistant research of Actinobacillus pleuropneumoniae, and in biological product for preventing or diagnosing Actinobacillus pleuropneumoniae.
CN118291538A	South China Agricultural Univ	China	The invention discloses application of an OCLN gene of a host cell in regulating reovirus replication, and belongs to the technical field of biology.
	Guangdong Academy Of Agricultural Sciences Agricultural Biological Gene Res Center		
CN118345097A	Inst Of Animal Science And Veterinary Medicine Shandong Academy Of Agricultural Sciences	China	The invention belongs to the technical field of veterinary drug production, and provides a PCV2-SVA combined vaccine.
CN118557709A	Tianjin Acad Of Agricultural Sciences	China	Use of ubiquitin-specific protease 18 for preparation of anti-porcine delta coronavirus proliferation drug.
CN118373886A	Northeast Agricultural Univ	China	The invention provides an antibacterial lipopeptide CFH resistant to protease hydrolysis and a preparation method and application thereof, and belongs to the field of bioengineering.
CN118291399A	Shanxi Agricultural Univ	China	The invention discloses a chimeric PCV2 neutralizing epitope PCV3VLPs based on eukaryotic expression as well as preparation and application of the chimeric PCV2 neutralizing epitope PCV3VLPs.
CN118416063A	Yangzhou Univ	China	The invention belongs to the field of antiviral drugs, and discloses application of a small molecular compound taking African swine fever virus E165R protein as a target spot.

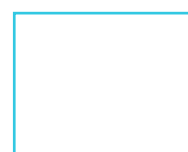
Número de Publicación	Solicitante	País de origen	Contenido técnico
WO2024178484A1	Provincial Health Services Authority	Canada	Antimicrobial peptides (AMPs) exhibiting broad spectrum antimicrobial activity are described.
	Uvic Ind Partnerships Inc		
CN118497227A	Univ South China Agricult	China	New aporcine circovirus 3 (PCV3) gene comprising specific nucleotide sequence used in preparation of PCV3 vaccine.
CN118389467A	China Agricultural Univ	China	The invention discloses a preparation method and application of porcine antibacterial peptide modified yak stomach lysozyme, and relates to the technical field of bioengineering.
CN118599699A	(UYNA)	China	New Bacillus subtilis BS12 used to treat or prevent porcine epidemic diarrhea virus infection.
CN221730645U	(LIAO)	China	Waterproof wireless animal ultrasonic gestational and fat measuring device for whole machine, has ultrasonic probe detachably connected with main board locating block, and slot provided between probe shell and shell of machine body.
CN118370730A	Shenzhen Kexing Pharmaceutical Co Ltd	China	Meanwhile, the invention further discloses a preparation method of the solid dispersion, an oral pharmaceutical preparation containing the solid dispersion and application of the oral pharmaceutical preparation.
CN118370729A	Shenzhen Kexing Pharmaceutical Co Ltd	China	The solid dispersion provided by the invention can improve the solubility and dissolution rate of the crystal of the compound as shown in the formula I after oral administration, and improve the bioavailability of the compound as shown in the formula I.
CN118490687A	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal He	China	Use of R-7050 or its medically acceptable salt useful in preparation of medicine for preventing viral infection. Preferred Components: The virus is African swine fever virus.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118360339A	Poultry Institute Shandong Academy Of Agricultural Science Shandong Specific Pathogen Free Chicks Re	China	The invention relates to the technical field of gene engineering, in particular to a recombinant lentiviral expression plasmid for stably expressing an FGF8 gene, a recombinant lentiviral expression vector, an A549 cell line and application.
	Inst Of Animal Science And Veterinary Medicine Shandong Academy Of Agricultural Sciences		
WO2024182985A1	Shanwei Xin Minsheng Leisure Agriculture Co Ltd	China	Disclosed in the present invention is a method for establishing a Landrace pig stem Leydig cell line.
	Shanwei Modern Animal Husbandry Industry Res Institute		
CN118440990A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	Method for constructing pseudovirus of porcine transmissible gastroenteritis virus comprises extracting RNA from frozen virus supernatant using Proteinase K, amplifying gene rich in antigen neutralizing epitopes and optimizing transfection dose, transfection time and pseudovirus collection time.
CN118599879A	(UYYT)	China	The recombinant expression cassette or the recombinant expression vector or the recombinant B.subtilis is used in producing cecropin B.
CN118562838A	Live Pig Tech Innovation Center Chongqing	China	New highly immunogenic recombinant protein used in preparing medicines or vaccine for treatment or prevention of porcine epidemic diarrhea, comprises porcine epidemic diarrhea virus spike protein, T1-B-T2, linker, bee venom signal peptide and cholera toxin B subunit.
	Univ Southwest		
	Chongqing Gesheng Biotechnology Co Ltd		



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118557558A	Univ Sun Yat Sen	China	Use of oxaloacetic acid for preparing product for improving immunity, antiviral infection, increasing level of oxaloacetate, and/or preventing viral infection, where virus comprises Swine flu virus, dengue virus, Zika virus and/or herpes simplex virus 1 and product is medicine or health product.
WO2024145167A1	Elanco Us Inc	USA	The present disclosure provides compositions and methods for improving utilization and reducing anti-nutritional effects of non-digestible fiber (NDF) in animal feed.
	Song Ran		
	Friesen Kim		
	Hagen Chad D		
CN118496325A	Univ South China Agricult	China	New antigen for a porcine epidemic diarrhea virus subunit vaccine, comprising specific amino acid sequence.
	Lingnan Modern Agricultural Science And Tech Guangdong Laboratory Zhaoqing Branch Center		
	Zhaoqing Dahuanong Biology Medicine Co Ltd		
CN118319303A	Centre For Disease Control And Prevention Of Maoming City	China	The invention relates to an animal epidemic disease prevention and control blood sample sampling device which comprises a control handle.
JP2024112294A	(KYOT)	Japan	Vaccine used for preventing, alleviating or treating the infectious diseases of animals.
CN118370821A	Suzhou Inst Of Systems Medicine	China	The invention relates to a USP5 targeting inhibitor and application thereof in preparation of a medicine for treating severe acute inflammation, and belongs to the technical field of biological medicine.
WO2024168828A1	Spirit Jinyu Biological Pharmaceutical Co Ltd	China	The present invention relates to the technical field of veterinary vaccine adjuvants, and in particular to a vaccine adjuvant, a preparation method therefor, and a use thereof.





Número de Publicación	Solicitante	País de origen	Contenido técnico
WO2024165872A1	Petmedix Ltd	United Kingdom	The present invention relates to effective therapies for pain, inflammation and osteoarthritis.
US12079993B1	Lochner Scott J	USA	A system for remotely analyzing information, uses a computer, receiving eye data from a remote user.
	Lochner Matthew E		
CN118530247A	Hefei Industrial Pharmaceutical Inst Co Ltd	China	New Amine based compound or its stereoisomers, tautomers, solvates, prodrugs, isotope labels and pharmaceutically acceptable salts useful in preparation of medicament for preventing and treating disease caused by virus having cap-dependent endonuclease.

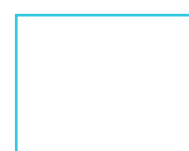
# VT Avicultura



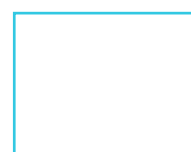
Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">CN118389595A</a>	Tianjin Ringpu Biotechnology Co Ltd	China	The invention provides a construction method of a recombinant turkey herpesvirus rHVT-HA-VP2-gD-gI.
<a href="#">WO2024174022A1</a>	Univ Montreal	Canada	Recombinant antigenic proteins unique to pathogenic strains of Clostridium perfringens which causes avian necrotic enteritis (NE) are provided.
<a href="#">WO2024156065A1</a>	Univ Saskatchewan	Canada	Provided herein are methods of eliciting an immune response in one or more subject(s) against clostridium perfringens (C. perfringens) infection and/or necrotic enteritis, the method comprising administering to one or more subject(s) an amount of a composition comprising live C. perfringens and compositions for such use.
<a href="#">WO2024170728A1</a>	Vaxinano	France	The invention more particularly relates to a prophylactic vaccine composition that is intended for mammals and birds and comprises a killed whole bacterium, said bacterium being covered with a cationic agent, in particular cationic nanoparticles.
<a href="#">CN118497184A</a>	Jiangsu Acad Agricultural Sci	China	The phage complex effectively protects the phage lytic activity, so that is not affected by high temperature.
<a href="#">WO2024178170A1</a>	Can Tech Inc	USA	The disclosure herein provides a method and composition for improving performance measures in chickens.



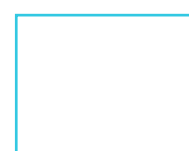
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118490821A	(Nanu) Immune Adjuvant Useful In Preparing Inactivated Vaccine	China	The immune adjuvant can completely replace mineral oil adjuvant and aluminum gel adjuvant when used in the production of inactivated vaccines.
CN118388607A	Jingzhou Changxin Biotechnology Co Ltd	China	The invention discloses a recombinant A-type avibacterium paragallinarum HMTP protein, a vaccine composition and application thereof the gene engineering subunit vaccine has a good protective effect on chicken infectious rhinitis (type A).
CN118593549A	(Usag)	China	Use of combination of Lactobacillus acidophilus and epigallocatechin gallate in preparing medicine against colibacillosis of livestock and poultry, and for e.g. reducing spleen index, improving neutrophil, and reducing lymphocyte and hemoglobin.
CN118360158A	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	The invention provides an eimeria tenella OWP6 gene (EtOWP6) deleted attenuated strain, a construction method, a composition and an application of the eimeria tenella OWP6 gene (EtOWP6) deleted attenuated strain.
CN118319897A	Inst Of Animal Health Guangdong Academy Of Agricultural Sciences	China	The invention discloses application of oroxylin A in preparation of a medicine for resisting chicken coccidiosis.
CN118325770A	Agricultural Univ Of Hebei	China	The invention discloses a strain of Enterococcus faecium C7, the preservation number of which is CGMCC (China General Microbiological Culture Collection Center) No.29914.
CN118546971A	Univ Shanxi Agricultural	China	New recombinant expression vector comprising ChIL-4-linker-ChIL-2 fusion gene, used in enhancing immune effect of chicken Eimeria live vaccine, and treating chicken coccidiosis.



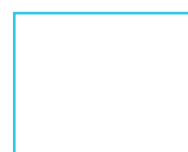
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118576698A	(Ceva)	China	Non-cell binding vaccine concentrate in vaccine inoculation kit and vaccine composition for vaccination of avian against infectious bursal disease virus, comprises live virus strain, sugar and water, where non-cell binding vaccine concentrate is in frozen form.
CN118436771A	Univ Shanxi Agricultural	China	New chicken Eimeria tenella immune-regulating DNA vaccine comprising EtROP27 gene, used pVAX-ROP27 vector for use in preparation of pharmaceutical preparation for preventing or treating chicken coccidiosis.
CN118440173A	Shanghai Veterinary Res Inst Chinese Academy Agricultural Sciences China Ct Animal	China	Use of Eimeria tenella protein EtRON2s and EtROP17 protein in composition for preparing vaccine or medicine for preventing or treating chicken coccidiosis and inhibiting the entry of Eimeria tenella sporozoites into the host cell to block the history of coccidiosis.
CN118490819A	Qingdao Guanke Biotechnology Co Ltd	China	Nano water adjuvant for use in inactivated vaccine for preventing and treating avian infectious diseases, infectious bursal disease virus of chickens, is prepared by mixing N-2 hydroxypropyl trimethyl ammonium chloride chitosan solution and carboxymethyl chitosan solution.
	Shandong Bioruik Bio-technology Co Ltd		
	Shandong Tianmu Biological Tech Co Ltd		
	Shandong Province Feed And Veterinary Drug Quality Inspection Center		
CN118416067A	Hangzhou Inst Of Medical Chinese Academy Of Sciences	China	The invention discloses an application of hydroxycamptothecin in preparation of a preparation for inducing pyroptosis.
CN118304312A	South China Agricultural Univ	China	The invention provides an application of xylo-oligosaccharide in preparation of a pathogenic escherichia coli attenuated product.



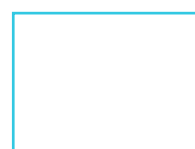
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118496337A	Shanghai Veterinary Res Inst Chinese Academy Agricultural Sciences China Ct Animal	China	Eimeria tenella oocyst wall protein 2 and/or oocyst wall protein 6 for inhibiting the invasion of sporozoites by causing changes in the morphology, and reducing toxicity, and preparing vaccine or medicine for preventing or treating chicken coccidiosis using the composition (all claimed), and for use in immune prevention of Eimeria tenella infection.
CN118497134A	Univ Yangzhou	China	New monoclonal antibody hybridoma cell line 5G10 for resisting avian infectious bursal disease virus protein 2 (VP2) hypervariable region protein and useful in preparing product for identifying avian infectious bursal disease virus by e.g. immunofluorescence and protein immunoblotting.
CN118531019A	Univ Yangzhou	China	Use of chicken TRIM39.2 gene, recombinant vector, truncated recombinant protein or polyclonal antibody in the preparation of diseases related to chicken TRIM39.2 e.g. infectious bursal disease and J subgroup avian leukaemia virus.
CN118272324A	China Agricultural Univ	China	Two recombinant herpesviruses of turkeys for expressing fowl adenovirus serum 4 type spike protein, a target gene is inserted between an HVT053 site and an HVT054 site or between an HVT087 site and an HVT088 site of the herpesviruses of turkeys.
CN118325931A	Jiangsu Agri Animal Husbandry Vocational College	China	The invention discloses a recombinant plasmid, a chimeric protein and application of the recombinant plasmid and the chimeric protein.
CN118340874A	Jilin Univ	China	According to the chicken coccidiosis immune enhancement type tetravalent recombinant OLSA subunit vaccine and the preparation method thereof.



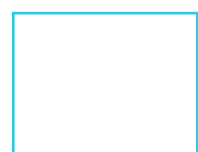
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118512423A	Univ Qingdao Agricultural	China	Use of alpha-terpineol combined with colistin or meropenem in resisting drug-resistant Enterobacter including drug-resistant Salmonella, drug-resistant Escherichia coli and drug-resistant Klebsiella pneumoniae.
CN118325903A	Yangzhou Univ	China	The invention discloses sgRNA for targeted knockout of a chicken TRIM45 gene, a TRIM45 knockout cell line and application of the sgRNA and the TRIM45 knockout cell line.
CN118272269A	China Inst Of Veterinary Drugs Control	China	The invention provides a mycoplasma synoviae MS-YY strain, and the preservation number of the mycoplasma synoviae MS-YY strain is CGMCC (China General Microbiological Culture Collection Center) No.45880.
WO2024174004A1	Charles Sturt Univ	Australia	A method of processing offal at an abattoir and a method of diagnosing disease in livestock is disclosed.
CN118593549A;	(Usag)	China	Use of combination of Lactobacillus acidophilus and epigallocatechin gallate in preparing medicine against colibacillosis of livestock and poultry, and for e.g. reducing spleen index, improving neutrophil, and reducing lymphocyte and hemoglobin.
CN118373883A	Shanxi Agricultural Univ	China	The invention relates to the technical field of biology, in particular to a CATH-2 derived peptide and application thereof.
CN118344987A	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	The invention provides a novel oral recombinant yeast vaccine for expressing eimeria tenella top membrane antigen homologous molecules.
CN118420756A	China Agricultural Univ	China	The invention provides an avian infectious bronchitis virus S2 protein monoclonal antibody and application thereof.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118370811A	Henan Univ Of Science And Technology	China	The invention discloses an r-S1 subunit vaccine of IBV (Infectious Bursal Virus) as well as a preparation method and application of the r-S1 subunit vaccine.
CN118453778A	Beijing Centre Biology Co Ltd	China	New hybridoma cell line secreting monoclonal antibodies to hemagglutinin protein of H5-Re11 vaccine strain comprising hybridoma cell line 2D7 or 3C8, used in preparation of H5 subtype avian influenza vaccine for preventing and treating H5 subtype avian influenza virus.
	Centre Inner Mongolia Tech Co Ltd		
	Wuzhou Muyang Heilongjiang Tech Co Ltd		
	Aidisen Jiangsu Biotechnology Co Ltd		
CN118325850B	Wuhan Geruinong Biotechnology Co Ltd	China	The invention provides an escherichia coli bacteriophage resistant to a low-concentration disinfectant and a preparation thereof.
CN118406662A	Liaocheng Univ	China	The invention belongs to the technical field of biology, and particularly relates to a salmonella bacteriophage vBSalPLDW8 and application thereof.
CN118575898A	(Cags)	China	Use of feed additive for improving poultry intestinal flora disorder caused by Salmonella in feed, comprising glucuronolactone.
CN118652816A	(Cags)	China	New strain of Salmonella pullorum SP0936 from poultry, deposited in China Center for Type Culture Collection, for constructing poultry attenuated vaccine strain.
CN118325855A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses a recombinant Marek's disease virus strain for expressing H9N2 subtype AIV HA and IBDV VP2 genes as well as a construction method and application of the recombinant Marek's disease virus strain.
CN118516392A	Univ Liaoning	China	New recombinant Saccharomyces cerevisiae surface-displayed oral vaccine.
WO2024161017A1	Hennrich Alexandru Adrian	Germany	The present invention relates to a nucleic acid molecule.
	Conzelmann Karl Klaus		

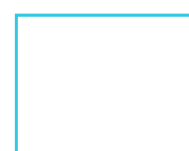


Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118580995A	(Qing)	China	New Clostridium butyricum with high selenium loading capacity used as feed additive, and livestock and poultry feed for promoting intestinal digestion, improving feed utilization and improving meat quality, and preparing antibacterial products.
CN118286407A	Inst Of Animal Husbandry Veterinary Jiangxi Academy Of Agricultural Sciences	China	The invention provides an avian colibacillosis trivalent inactivated vaccine and a preparation method thereof.
CN118291388A	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	The invention relates to the technical field of gene engineering, in particular to sgRNA of a targeted Xkr8 gene, a recombinant vector and application of the sgRNA in resisting Newcastle disease virus infection.
WO2024162594A1	Bjbiochem Co Ltd	South Korea	The present invention relates to an antibacterial, bactericidal, and preservative composition and thus can be used as an ecofriendly infectious disease prevention composition for virus control.
CN118452308A	Shanxi Animal Husbandry And Veterinary School	China	Feed additive useful for preventing chicken Escherichia coli infection, prepared by inoculating Bacillus subtilis into compound traditional Chinese medicine liquid containing Chinese Pulsatilla powder and fermenting.
WO2024158908A1	Univ Emory U S Government Represented By The United States Dept Of Veterans Affairs	USA	This disclosure relates to methods of treating a bacterial infection comprising administering an effective amount of a compound or compounds identified herein to a subject in need thereof.
CN118526579A	Qilu Qingda Biological Pharmaceutical Co Ltd	China	Coccidiosis vaccine suspending agent used in biomedicine, comprises xanthan gum, alkyl polyglucoside and anhydrous dextrose.

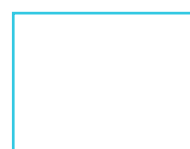




Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118440879A	Chengdu Customs Tech Center	China	New recombinant Bacillus subtilis useful for preparing biological product, preferably oral mucosal vaccine-type probiotics for preventing and treating Newcastle disease infection in chickens.
	Chengdu Agric College		
	Univ Sichuan Agricultural		
WO2024151969A1	Univ Rochester	USA	In one aspect, the present invention is directed to compositions and methods of preventing death and severe morbidity induced by a pathogen.
WO2024144320A1	Cj Cheiljedang Corp	South Korea	The present application relates to an antiviral composition, an immunity-enhancing composition, a feed, or a feed additive, comprising nucleoside analogues derived from a nucleotide.
CN118325854A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses a recombinant Meq gene-deleted Marek's disease virus strain for expressing a varIBDV VP2 gene as well as a construction method and application of the recombinant Meq gene-deleted Marek's disease virus strain.
CN118421680A	Nanchang Univ	China	The invention discloses an expression vector for synthesizing astaxanthin, a nannochloropsis oculata engineering strain and application of the nannochloropsis oculata engineering strain.
CN118546198A	Shandong Dyne Marine Biotechnological Pharm Holdings Co Ltd	China	New cyclic peptide compound i.e. 3-benzyl-3,4,6,7,9,10-hexahydro-1H-benzotri(1,4,7,10)tetraazacyclotridecine-2,5,8,11-tetraone compound useful in preparing medicine for e.g. preventing and treating e.g. influenza virus infection, avian influenza virus infection, coxsackie virus infection.
	Beijing Dayin High Tech Children Medicine Res Institute Co Ltd		



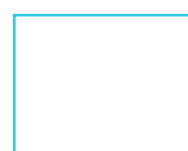
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118515784A	Beijing Huaxia Xingyang Biological Science & Tech Co Ltd	China	New protein comprising fusion protein rb2-vp2, used in preparing product for preventing chicken infectious bursal virus infection.
CN118291540A	Henan Agricultural Univ	China	An avian adenovirus serum 11 type vector, a recombinant virus constructed by adopting the vector, and a construction method and application of the recombinant virus.
WO2024148198A1	Worcester Polytech Inst	USA	A formulated composition for treating or preventing epithelial fungal infection and correcting dysbiosis.
CN118557716A	Beijing Gaoge Biotechnology Co Ltd	China	New pigeon Newcastle disease and group A rotavirus bivalent vaccine comprising pigeon Newcastle disease virus VI-HZ and pigeon group A rotavirus DJC2020 strain, for pigeon Newcastle disease virus and pigeon group A rotavirus disease.
	Jiangsu Acad Agricultural Sci		
CN118325853A	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	The invention discloses a recombinant I-type Marek's disease virus strain for expressing an H9N2 subtype AIV HA gene as well as a construction method and application of the recombinant I-type Marek's disease virus strain.
CN118304394A	Guangdong Winsun Biopharmaceuticals Co Ltd	China	Pigeon Newcastle disease inactivated vaccine which comprises an oil phase and a water phase.
CN118440961A	Univ Sichuan Agricultural	China	New Pasteurella multocida grcA gene useful as live attenuated vaccine for poultry and attenuating Pasteurella multocida.
CN118370729A	Shenzhen Kexing Pharmaceutical Co Ltd	China	Solid dispersion containing a nucleoside analogue.
CN118599879A	(Uyyt)	China	The recombinant B.subtilis is used in preparing a medicine for preventing and treating diseases caused by gram-negative bacteria including Salmonella , Escherichia coli and Listeria monocytogenes.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118384161A	South China Agricultural Univ	China	The small molecule compound provided by the invention has anti-coronavirus activity.
CN118370730A	Shenzhen Kexing Pharmaceutical Co Ltd	China	Method of the solid dispersion, an oral pharmaceutical preparation containing the solid dispersion and application of the oral pharmaceutical preparation.
CN118360339A	Poultry Institute Shandong Academy Of Agricultural Science Shandong Specific Pathogen Free Chicks Re Inst Of Animal Science And Veterinary Medicine Shandong Academy Of Agricultural Sciences	China	Recombinant lentiviral expression plasmid for stably expressing an FGF8 gene, a recombinant lentiviral expression vector, an A549 cell line and application.
CN118319303A	Centre For Disease Control And Prevention Of Maoming City	China	The invention relates to an animal epidemic disease prevention and control blood sample sampling device which comprises a control handle.
CN118345052A	Qingdao Runda Biotechnology Co Ltd	China	The invention discloses a novel variant bursal disease virus strain, which is characterized in that the preservation number of the novel variant bursal disease virus strain RD230902A is CGMCC (China General Microbiological Culture Collection Center) No. 45886.
CN118420773A	Wuhan Inst Of Virology Chinese Academy Of Sciences	China	The invention provides recombinant protein nanoparticles, a preparation method thereof and application of the recombinant protein nanoparticles in preparation of broad-spectrum anti-influenza virus vaccines, and belongs to the technical field of vaccine preparation.



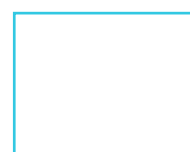
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118530247A	Hefei Industrial Pharmaceutical Inst Co Ltd	China	New Amine based compound or its stereoisomers, tautomers, solvates, pro-drugs, isotope labels and pharmaceutically acceptable salts useful in preparation of medicament for preventing and treating disease caused by virus having cap-dependent endonuclease.
CN118266481A	Hunan Perfly Biotechnology Co Ltd	China	The invention provides a bacteriostatic benzoic acid composition as well as a preparation method and application thereof



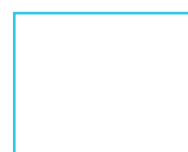
# VT Acuicultura



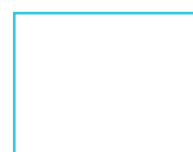
Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">WO2024171316A1</a>	Kyoritsu Seiyaku Corp	Japan	Provided is an inactivated vaccine preparation and the like for fish streptococcosis having <i>Lactococcus garvieae</i> as a pathogenic bacteria.
<a href="#">CN118557556A</a>	Univ Shantou	China	Use of elesclomol in preparation of formulation for e.g. enhancing immune response ability and inhibiting pathogen, preferably <i>Vibrio parahaemolyticus</i> infection.
<a href="#">CN118403141A</a>	Hunan Agricultural Univ	China	Application of RGD (arginine-glycine-aspartic acid) peptide in preparation of drugs for resisting viruses and virus diseases of aquatic animals
<a href="#">CN118389338A</a>	Jimei Univ	China	The invention discloses a bacillus LMT with alternative resistance potential and application thereof.
<a href="#">CN118344467A</a>	South China Agricultural Univ	China	The invention provides a polyclonal antibody for resisting cyprinid herpesvirus type 3 ORF136 (Open Reading Frame 136) protein.
<a href="#">CN118356440A</a>	Inst Of Hydrobiology Chinese Academy Of Sciences	China	The invention discloses application of zinc ions ( $Zn^{2+}$ ) in prevention and treatment of infection of <i>Carassius auratus</i> herpesvirus (CaHV), spring viraemia of carp (SVCV) and grass carp reovirus (GCRV).



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118416106A	Huichundan Biotechnology Hainan Co Ltd	China	The invention belongs to the technical field of bio-pesticides, and relates to a composition for preventing and treating astavibriosis.
CN118344998A	Inst Of Oceanology Chinese Academy Of Sciences	China	The invention relates to marine organisms, in particular to a seawater-sourced vibrio antagonistic bacterium and application thereof.
CN118291395B	Yantai Jinhai Pharmaceutical Co Ltd	China	The invention provides a bacteriophage, a composition containing the bacteriophage, an antibacterial agent and a shrimp feed.
CN118440908A	Wuhan Geruinong Biotechnology Co Ltd	China	New Vibrio alginolyticus bacteriophage VAP2312001 starin useful e.g. for drug resistant vibrio, preparing medicine, feed, and feed additive for treating and preventing disease caused by Vibrio infection, and improving effect of vibrio alginolyticus phage in animal treatment.
CN118515754A	Sanya Ocean Univ Of China	China	Preparing nano-antibody useful for detecting Vibrio parahaemolyticus, comprises performing auxiliary phage rescue and purification on constructed camel-derived natural library, and using final eluate to prepare supernatant for phage-enzyme-linked immunosorbent assay identification and sequencing.
CN118440906A	Wuhan Inst Technology	China	New vibrio phage is useful in preparing vibrio microorganism sterilization product, or preventing and controlling Vibrio microorganisms, preferably and as aquatic feed or aquatic feed additive.



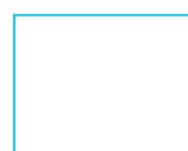
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118460482A	Univ Yangzhou	China	New Vibrio parahaemolyticus phage YZUP22 strain useful for preparing medicine for preventing and/or treating Vibrio parahaemolyticus infection and improving survival ability of aquatic product.
KR102706271B1	The Industry & Academic Cooperation In Chungnam National Univ Iac	South Korea	Composition used in feed additive for enhancing immunity of fish, and preventing viral hemorrhagic septicemia virus infection in farmed fish, comprises exosomes derived from plasma of olive flounder infected with viral hemorrhagic septicemia virus as active ingredient.
CN118599879A	(Uyyt)	China	New recombinant expression cassette of cecropin B gene comprising upstream homology arm sequence XynAUp from signal peptide downstream sequence of Bacillus endo-1,4-beta-xylanase gene, cecropin B coding region sequence and downstream homology arm sequence xynADown, for producing cecropin B.



# VT Apicultura



Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">PL443774A1</a>	Przed Wielobranzowe Vet Agro Spolka Z Ograniczona Odpowiedzialnoscia	Poland	Preparation useful for preventing and controlling microsporidiosis, especially nosemosis in bees, prepared by dissolving alpha-ketoglutaric acid and exogenous amino acid, especially L-Lysine in aqueous medium or sugar syrup constituting food for bees.

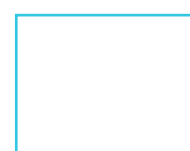




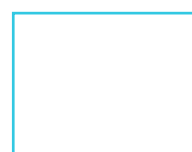


# VTÉquidos

Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">CN118319937A</a>	Foshan Univ	China	Application of mir-325-3p in targeted prevention and treatment of streptococcus equi subsp. Zooepidemicus inflammation.
<a href="#">CN118319936A</a>	Foshan Univ	China	Application of mir-7002-5p in preparation of Caspase-1 targeted medicine for inhibiting streptococcus equi subsp. Zooepidemicus inflammation.
<a href="#">CN118325855A</a>	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	Recombinant Marek's disease virus strain for expressing H9N2 subtype AIV HA and IBDV VP2 genes as well as construction method and application of recombinant Marek's disease virus strain.
<a href="#">WO2024144728A2</a>	T C Uskudar Univ	Turkey	Neurotrophic factor and optogenetic system based lentiviral system for use in retinal diseases.
<a href="#">US2024239913A1</a>	The Us Gov As Represented By The Department Of Veterans Affairs	USA	Compositions and methods for treating osteoarthritis using a cd14 inhibitor.
	Univ Pennsylvania		
	Oklahoma Med Res Found		
<a href="#">WO2024151456A2</a>	Artezo Inc	USA	Systems and methods for treating joints.



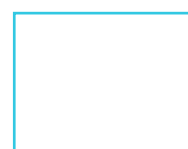
Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118460435A	Feed Res Inst Caas	China	New Lactobacillus reuteri strain useful for preparing medicine or feed additive for inhibiting bacteria, and reducing animal diarrhea and feed additive for e.g. Promoting growth of animal, and improving hormone levels of animal.
WO2024159313A1	Univ Saskatchewan	Canada	Vaccine for streptococcus equi subsp. Zooepidemicus.
WO2024155948A2	Orthobio Therapeutics Inc	USA	Gene editing for surgery-related fibrosis treatment.
CN118416067A	Hangzhou Inst Of Medical Chinese Academy Of Sciences	China	Application of hydroxycamptothecin in preparation of preparation for inducing pyroptosis.
CN118600002A	(Usdm)	China	Use of reagent for detecting expression level of adenosine triphosphate-citrate lyase in preparation of chronic lymphocytic leukemia assessment product e.g. Detection kit, for assessment of lipogenesis of chronic lymphocytic leukemia and prognosis of chronic lymphocytic leukemia patients.
WO2024158908A1	Univ Emory	USA	Methods of treating bacterial infections.
	U S Government Represented By The United States Dept Of Veterans Affairs		
WO2024157260A1	Sheba Impact Ltd	Israel	Methods of treating bacterial infections.
	Mini Of Health State Of Israel		
WO2024165872A1	Petmedix Ltd	United Kingdom	Therapeutic molecules comprising variants of the extracellular domain of p75 neurotrophin receptor (p75ntr).



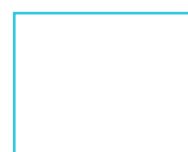
# VT Mascotas



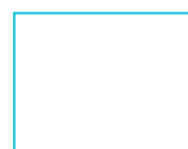
Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">JP2024121319A</a>	(Aspa)	Japan	Agent used in combination with a steroid or a molecular targeted drugs for treating atopic dermatitis, and used in pet animals, preferably dogs, comprises kestose as an active ingredient.
<a href="#">WO2024192209A1</a>	Vida Pharmacal Inc	USA	Composition and method for treating leishmaniasis.
<a href="#">US2024285657A1</a>	Verte Therapeutics Llc	USA	Veterinary formulation of metronidazole, and related methods.
<a href="#">WO2024174011A1</a>	Rossi Bergmann Bartira	Brazil	Liposome, method for preparing a liposome, intranasal composition comprising a liposome, method for preparing an intranasal composition, kit and use of the composition.
<a href="#">CN118416067A</a>	Hangzhou Inst Of Medical Chinese Academy Of Sciences	China	Application of hydroxycamptothecin in preparation of preparation for inducing pyroptosis.
<a href="#">CN118359715A</a>	Ningbo Sansheng Biotechnology Co Ltd	China	Antibodies against IL-31 and uses thereof.
<a href="#">US2024269094A1</a>	Wei Edward Tak	USA	Treatment of canine dermatitis and skin irritation.
<a href="#">WO2024170485A1</a>	Intervet Int Bv	Netherlands	Canine antibodies to canine il-13.
	Intervet Inc	USA	
<a href="#">US2024269259A1</a>	Intervet Inc	USA	Rabies virus vaccine.
<a href="#">WO2024186305A1</a>	Dia Pro Tibbi Urunler Sanayi Ve Ticaret Anonim Sirketi	Turkey	Diagnostic kit containing a recombinant antigen for use in the diagnosis of hydatid cyst.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118389541A	Beijing Syngentech Co Ltd	China	Method for constructing RNA vaccine aiming at multi-epitope antigen of cat FIPV.
WO2024170486A1	Intervet Int Bv	Netherlands	Canine antibodies to canine il-4.
	Intervet Inc	USA	
WO2024159030A2	Us Health	USA	Human papillomavirus, varicella-zoster virus, and rabies virus antigens and uses thereof in cancer immunotherapy.
WO202417559A1	Boehringer Ingelheim Vet-medica Gmbh	Germany	Tetrazole-substituted ethyl-sulfone/sulfoximine-pyridine derivatives.
	Nihon Nohyaku Co Ltd	Japan	
WO2024194491A1	Ospedale San Raffaele S R L	Italy	Gene therapy.
	Consiglio Naz Delle Ricerche		
CN118307438A	Hebei Medical Univ	China	Bisamide compound as well as preparation method, medicinal composition and application thereof.
CN118319927A	Liaoning Fangnuo Biotechnology Co Ltd	China	Combined preparation containing selamectin drops and praziquantel drops and application thereof.
WO2024155948A2	Orthobio Therapeutics Inc	USA	Gene editing for surgery-related fibrosis treatment.
WO2024160203A1	Felicamed Biotechnology Co Ltd	Canada	Crystal form of compound, preparation method therefor and use thereof.
WO2024186610A1	Zoetis Services Llc	USA	Topical compositions containing a janus kinase inhibitor.
WO2024153111A1	Nat Univ Singapore	Singapore	Lipid conjugates, lipid nanoparticles and methods thereof.
	Univ Tsinghua	Canada	
WO2024189522A1	Scarcell Therapeutics	France	Mammalian cell population and medicaments for cell therapies in mammals and improved cell cultivation methods.



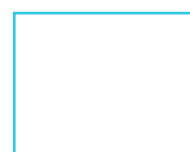
Número de Publicación	Solicitante	País de origen	Contenido técnico
JP2024112294A	(Kyot)	Japan	New vaccine comprising antigen and cationic lipid having carboxylic acid derivative used for treating infectious diseases, e.g., bovine viral diarrhea-mucosal disease, bovine respiratory syncytial virus infection, bovine adenovirus infection, Pasteurella multocida, of livestock animal or pet animal .
WO2024173925A1	Ohio State Innovation Foundation	USA	Methods and compositions to treat axonal injury pathologies.
CN118497141A	Univ Qingdao Agricultural;	China	New Escherichia coli phage LHE287 used in preparing composite biological formulation containing antibiotics for reducing dosage of antibiotics.
	Jiangsu Acad Agricultural Sci		
WO2024178484A1	Provincial Health Services Authority	Canada	Antimicrobial peptides.
	Uvic Ind Partnerships Inc		
WO2024191249A1	Geovista Inc	South Korea	Antibody specifically binding to interleukin-13, and use thereof.
WO2024165929A1	Zenfold Sustainable Tech Private Limited	India	A process for the preparation of carprofen.
WO2024145641A2	Iidexx Lab Inc	USA	Compositions and methods for the detection of mycoplasma.
WO2024151515A2	Odyssey Therapeutics Inc	USA	Anti-tnfr2 antigen-binding proteins and uses thereof.
WO2024192065A1	Odyssey Therapeutics Inc	USA	Anti-cd25 antigen-binding proteins and uses thereof.
WO2024165872A1	Petmedix Ltd	United Kingdom	Therapeutic molecules comprising variants of the extracellular domain of p75 neurotrophin receptor (p75ntr).
US2024239913A1	The Us Gov As Represented By The Department Of Veterans Affairs	USA	Compositions and methods for treating osteoarthritis using a cd14 inhibitor.
	Univ Pennsylvania		
	Oklahoma Med Res Found		
WO2024151456A2	Artezo Inc	USA	Systems and methods for treating joints.



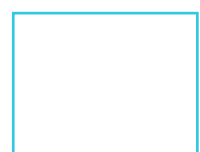
# VTVarios



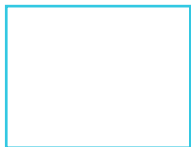
Número de Publicación	Solicitante	País de origen	Contenido técnico
<a href="#">WO2024170516A1</a>	Hipra Scient S L U	Spain	Rabbit hemorrhagic disease virus vaccine and uses thereof.
<a href="#">WO2024156870A1</a>	Fundacio Privada Inst De Recerca De La Sida Caixa Inst Catalana Recerca Estudis Avancats	Spain	Antibodies and uses thereof for the treatment of infections caused by enveloped viruses.
<a href="#">CN118403150A</a>	China Animal Husbandry Ind Co Ltd	China	Rabbit hemorrhagic disease baculovirus vector, pasteurella multocida bivalent inactivated vaccine and preparation method thereof.
<a href="#">WO2024151969A1</a>	Univ Rochester	USA	Potassium channel blockers or derivatives thereof for preventing, alleviating, and/or treating morbidity and mortality induced by pathogens or other inducers of immune exhaustion and/or excess immune activation.
<a href="#">CN118530354A</a>	Univ Henan Technology	China	New specific antibody useful for destroying antigen epitopes by wet heat processing, where specific antibody is prepared by wet heat processing peanut allergen Ara h, and mixing and incubating supernatant with peanut allergen Ara h rabbit polyclonal antibody.
<a href="#">US2024215564A1</a>	Drori Noam	Israel	Wearable passive lice eliminator.
<a href="#">WO2024149359A1</a>	Shanghai Meiyue Biotech Dev Co Ltd	China	Phenyl-substituted heteroaryl compound and pharmaceutical composition comprising same, preparation method therefor and use thereof.



Número de Publicación	Solicitante	País de origen	Contenido técnico
CN118374379A	Qingdao Bioantai Biotechnology Co Ltd	China	Bacillus paralicheniformis C28-2 from deep sea as well as microecological preparation and application of bacillus paralicheniformis C28-2.
	Qingdao Marine Biomedical Res Institute Co Ltd		
	Shandong Province Feed And Veterinary Drug Quality Inspection Center		
	Bioantai Beijing Tech Co Ltd		
WO2024155683A1	Univ Massachusetts	USA	Compositions for control of human and animal parasitic nematodes and methods of use.
WO2024157995A1	Tokuyama Corp	Japan	Method for reducing disease risk of livestock by contact with aqueous solution having quaternary ammonium salt coupling agent dissolved therein.
	School Corporation Azabu Veterinary Medicine Educational Inst		
WO2024156267A1	Huahui Health Ltd	China	Anti-cd47 antibodies.
WO2024163692A1	Texas A & M Univ Sys	USA	Methods for activating immune cells to kill bacteria.
WO2024161123A1	Univ Birmingham	United Kingdom	Treatment of obesity-associated inflammatory conditions.
CN118480136A	Nanjing Chengshi Biomedical Tech Co Ltd	China	New fusion protein useful for preparing vaccines or biological immunity medicine for prevention, treatment or vaccination, comprises elongation factor Tu antigen, transcriptional regulator antigen, HU family DNA-binding protein antigen, alpha toxin mutant antigen and ESAT-like protein esxb antigen.
WO2024172001A1	Motooka Tomoko	Japan	Anti-trypanosomal drug.
	Itai Noriko		
	Nakanishi Reiko		
WO2024173551A2	Calviri Inc	USA	Tryptophan neoantigen peptides for diagnostics, therapeutics, and vaccines.
CN118526590A	The First Affiliated Hospital Of Guangzhou Medical Univ Guangzhou Respiratory Center; Guangzhou Nat Laboratory	China	Use of substance that inhibits neuropeptide Y for preparing medicine for treating and/or alleviating cough.



Número de Publicación	Solicitante	País de origen	Contenido técnico
US2024285594A1	Univ North Carolina State	USA	Compositions and methods for treating pain in animals.
WO2024174033A1	Chinook Contract Res Inc	Canada	Methods of insect control for an animal, products thereof and methods for their preparation.
WO2024178252A1	Lactea Therapeutics Llc	USA	Purified lactoferrin compositions and methods of use.
CN118557610A	Univ Northwest A&F	China	Probiotics preparation useful for effectively treating animal viral infection .
CN118593483A	(Unaf)	China	Use of indoleacrylic acid in preparation of medicine for treating and/or alleviating diarrhea caused by Clostridium perfringens.
WO2024184531A1	Nutreco Ip Assets Bv	Netherlands	Feed additive for improving performance of farming animals.
WO2024192422A1	Flagship Pioneering Innovations Vi Llc	USA	Immunogenic compositions and uses thereof.
WO2024194423A1	Ags Therapeutics Sas	France	Extracellular vesicles from microalgae, their use for vaccines and for immunomodulation.
CN118416230A	Suzhou Inst Of Systems Medicine	China	RIPK3 inhibitor and application thereof in preparation of medicine for treating osteoporosis and/or osteolysis.
CN118384161A	South China Agricultural Univ	China	Application of small molecule compounds in preparation of anti-coronavirus drugs.
WO2024144320A1	Cj Cheiljedang Corp	South Korea	Antiviral composition comprising nucleoside analogues derived from nucleic acid and pharmaceutically acceptable salts thereof.
WO2024187287A1	Univ Of Saskatchewan	Canada	Fusion polypeptides, immunogenic compositions, methods and uses thereof.
WO2024155017A1	Univ Chosun Iacf	South Korea	Novel antimicrobial peptide designed from duck-derived antimicrobial peptide and use thereof





Número de Publicación	Solicitante	País de origen	Contenido técnico
CN221730645U	(Liao)	China	Waterproof wireless animal ultrasonic gestational and fat measuring device for whole machine, has ultrasonic probe detachably connected with main board locating block, and slot provided between probe shell and shell of machine body.
CN118370730A	Shenzhen Kexing Pharmaceutical Co Ltd	China	Solid dispersion containing nucleoside analogue as well as preparation method, oral pharmaceutical preparation and application of solid dispersion.
CN118370729A	Shenzhen Kexing Pharmaceutical Co Ltd	China	Solid dispersion containing nucleoside analogue as well as preparation method, oral pharmaceutical preparation and application of solid dispersion.
CN118370821A	Suzhou Inst Of Systems Medicine	China	Inhibitor targeting USP5 and application of inhibitor in preparation of medicine for treating severe acute inflammation.
US12079993B1	Lochner Scott J	USA	Computer eye care system.
	Lochner Matthew E		
WO2024159313A1	Univ Saskatchewan	Canada	Vaccine for streptococcus equi subsp. Zooepidemicus.

# Noticias



**OEPM**  
**stopfalsificaciones**

## Las fuerzas y cuerpos de seguridad del estado continúan sus acciones de lucha frente a las falsificaciones

El Ministerio del Interior ha publicado los datos de intervenciones de Fuerzas y Cuerpos de Seguridad del Estado (FCSE) relacionadas con falsificaciones llevadas a cabo en el año 2023 y el resultado es que se han intervenido más de 3,6 millones de productos falsificados que hubieran alcanzado en el mercado un valor de 149 millones de euros.

+ MÁS



**AUTHENTICITY**

## Incorporación de barcelona a la red europea de autenticidades

La OEPM y el Ayuntamiento de Barcelona han firmado un convenio para la incorporación de la ciudad a la Red Europea de Autenticidades. Se trata de una iniciativa que pretende concienciar sobre el valor de la propiedad industrial y el impacto negativo de la compra y venta de productos falsificados.

+ MÁS



## Curso selectivo de la escala de titulados superiores

El 23 de septiembre comenzó el curso selectivo de la Escala de Titulados Superiores de Organismos Autónomos del Ministerio de Industria y Turismo de la especialidad de Propiedad Industrial y Metrología. Tras la superación de la fase de oposición, los 29 aspirantes han sido nombrados funcionarios en prácticas, iniciando así una nueva fase del proceso selectivo.

+ MÁS



## Visitas a la oepm

Con fecha de 19 de septiembre de 2024, se llevó a cabo una visita institucional de la Oficina de Propiedad Intelectual de Islandia (ISIPO), en la sede de la Oficina Española de Patentes y Marcas, O.A. (OEPM). La visita institucional se encuadró en celebración de una jornada dedicada al fomento de la propiedad industrial entre la ISIPO y la OEPM con el fin de intercambiar prácticas nacionales e internacionales en materia de marcas, cooperación internacional, gestión financiera, información tecnológica y tecnologías de la información.

+ MÁS



## Presentación estudios de la Cátedra Fernández - Nóvoa

La Cátedra de Innovación y Propiedad Industrial, Carlos Fernández-Nóvoa, es una iniciativa creada para la coordinación de las actividades que se realizan junto con la Escuela de Organización Industrial para la formación y difusión de la innovación y la propiedad industrial. El pasado 18 de septiembre se presentaron dos estudios realizados en el marco de esta Cátedra y que versan sobre temas de gran relevancia y actualidad.

+ MÁS



## Paralegales, Curso de Gestión Administrativa de la Propiedad Industrial

Ofrece formación teórica y práctica en materia de propiedad industrial para profesionales de agencias y departamentos de Propiedad Industrial, para el personal de las oficinas de transferencia de Resultados de Investigación (OTRIs) o para cualquier persona que esté interesada en estos temas.

+ MÁS



## Invenexpo: la Feria Internacional de Inventos de Peralta que busca conectar a inversores e inventores

La localidad navarra de Peralta acogió del 18 al 20 de octubre la Feria Internacional de Inventos, Invenexpo. El evento brindó a las mentes más inquietas y creativas la oportunidad de mostrar al público cómo a través de su ingenio crean soluciones innovadoras para hacernos la vida más cómoda y sencilla.

+ MÁS



## Cada vez más cerca de conocer a la XI Promoción de Embajadores Honorarios de la marca España

Cada dos años el Foro de Marcas Renombradas Españolas (FMRE) concede la acreditación de Embajadores Honorarios de la Marca España a aquellas personas, físicas o jurídicas, de nacionalidad española que hayan contribuido significativamente a la generación y al fortalecimiento de una imagen positiva de España en el exterior.

+ MÁS

# Noticias



Solicitudes de patentes españolas entre las más de 300 recogidas en el 54 Boletín de Vigilancia Tecnológica de Sanidad Animal

Enfermedades como Peste Porcina Africana, Mastitis, Influenza dentro de este boletín, maquetado por Vet+i en formato PDF, para la fácil consulta de todos los interesados.

+ MÁS



**SALIDAS PROFESIONALES PARA VETERINARIOS**

Oportunidades en la Industria de Sanidad Animal

Organizado por Vet+i CDVE

**Vet+i imparte un seminario online sobre salidas profesionales a los futuros veterinarios**

La Directora Gerente de la Fundación mostró a los asistentes las oportunidades profesionales que los veterinarios tienen en la Industria de Sanidad Animal y como conseguirlas a través de distintas herramientas como Vetinnova.

+ MÁS



**Vet+i publica el nuevo roll-up y cuadríptico de la iniciativa Vetinnova, disponible en inglés y español**

El portal web "Vetinnova" está orientado a facilitar y fomentar el networking y la colaboración entre todos los agentes públicos y privados del ámbito de la I+D+i en sanidad animal en nuestro país y a fomentar la internacionalización del sistema ciencia-tecnología-empresa.

+ MÁS



**La aplicación de la inteligencia artificial en el sector ganadero a debate**

Vet+i participó en el evento que congregó a más de 120 asistentes del Observatorio de la Digitalización del Sector Agroalimentario Español impulsado por el Ministerio de Agricultura, Pesca y Alimentación (MAPA) y el Grupo Cajamar.

+ MÁS



**Más de 130 expertos en sanidad animal se reúnen para explorar oportunidades y proyectos en especies silvestres**

Esta Jornada online estuvo organizada por el Subgrupo de "Especies silvestres" del Grupo de trabajo 1 de "Priorización de enfermedades y detección de necesidades" de la Fundación Vet+i.

+ MÁS



**Vet+i presente en la Jornada de Políticas de Innovación y Desarrollo en el mercado de la I+D**

Esta Jornada ha reunido a los Nuevos Titulados Superiores de la Oficina Española de Patentes y Marcas (OEPM), a diferentes representantes de estas entidades, del Consejo Superior de Investigaciones Científicas (CSIC), del Centro para el Desarrollo Tecnológico y de la Innovación (CDTI) y de la Fundación Vet+i-Plataforma Tecnológica Española de Sanidad Animal.

+ MÁS



**Comienzo de la VI edición del Máster en Dirección y Marketing en la Industria de Sanidad y Nutrición Animal de la Fundación Vet+i**

La Fundación Vet+i y ESIC, con el apoyo de Veterindustria y la colaboración de AEMASA lanzan esta sexta edición, que contará una vez más con docentes, tanto del mundo de la empresa como de las autoridades reguladoras, para cubrir la demanda de formación en el área de la Industria de sanidad animal.

+ MÁS



**Vet+i presenta las actividades realizadas en promoción de la Disponibilidad de Medicamentos Veterinarios desde la última reunión del CODIVET**

Vet+i y los demás miembros del Comité participaron activamente en la revisión de las aportaciones sobre vacíos terapéuticos y necesidades que se han recibido a lo largo de 2024.

+ MÁS

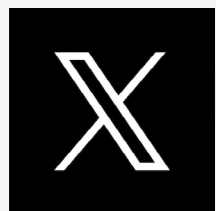


Fundación  
**Vet+i**

C/ San Agustín 15, 1º Dcha  
28014 Madrid

Tlfno: (+34) 91 088 31 22  
[secretaria@vetmasi.es](mailto:secretaria@vetmasi.es)

[www.vetmasi.es](http://www.vetmasi.es)



in

