

VT

SANIDAD ANIMAL

54

Vigilancia Tecnológica 2º 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 cuatro recoge una selección de las solicitudes de patentes publicadas a nivel internacional durante el segundo 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
LU 503430 B1 20230803	Institute Of Veterinary Res Xinjiang Academy Of Animal Sciences Animal Clinical Medicine Res Center	China	Identifying brucellosis A19-DELTA VirB12 vaccine immunized animals from infected animal, by performing antibody identification of serum by NH-agar gel immunodiffusion method
ZA 202302713 B 20230531	Inner Mongolia Minzu Univ	China	New single nucleotide polymorphism site located at specified site in open reading frame of coding gene of sugar ATP-binding cassette transporter periplasmic sugar-binding protein of Brucella, used to identify Brucella suis vaccine strain
TR 202022143 A2 20220721	T C Erciyes Ueniversitesi	Turkey	Liquid serum useful for providing antiviral effect against RNA and DNA-based viruses e.g. bovine rotavirus and bovine adenovirus
CN 118165857 A 20240611	Univ Nanjing Agric	China	New strain of Lactobacillus salivarius GZLC1, used for preparing calf probiotic preparation, improving immunity of calves, enhancing antiinflammatory ability of intestines of calves, improving growth performance of calves, and preventing and treating calf diarrhea
	Bijie Animal Husbandry & Veterinary Sci		
WO 2024115111 A1 20240606	Dsm Ip Assets Bv	Nether-lands	Composition used for modulating growth of microorganisms in gastrointestinal tract of animals, improving gut health of animals, treating, ameliorating and/or preventing post-weaning diarrhea, comprises benzoic acid and organic acid or salt

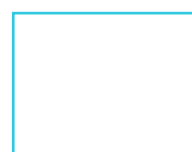


Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118161631 A 20240611	Harbin Veterinary Res Inst Caas	China	Use of overexpression plasmid of interferon gamma inducible protein 47 for use in preparation of drug for prevention of infection with Mycoplasma mycoides subsp. mycoides, treating diseases caused by infection with Mycoplasma mycoides subspecies such as contagious bovine pleuropneumonia
WO 2024115911 A1 20240606	Moredun Res Institute	United Kingdom	New Coxiella burnetii comprising a genome sequence used fore.g.raising immune response, treating Q fever, and in medicine
CN 118086137 A 20240528	Univ Northwest A & F	China	New viral antigen protein including truncate of nonstructural protein 4B (NS4B) protein of bovine viral diarrhea virus, preferably C-terminal truncate of NS4B protein with specific length used in preparing bovine viral diarrhea virus vaccine or bovine viral diarrhea virus NS4B subunit vaccine
CN 118084657 A 20240528	Univ Sichuan	China	Acidulant used for inhibiting pathogenic bacteria, preferably Escherichia coli, Staphylococcus aureus, and Salmonella, in poultry and livestock, is obtained by reacting rare earth salt and small molecule organic acid, preferably lactic acid, acetic acid, or butyric acid
CN 118047865 A 20240517	Beijing Acad Agric & Forestry Sci	China	New anti-bovine promyelocytic leukemia protein (PML) monoclonal antibody secreted by hybridoma cells, used in preparation of products for detecting bovine PML or bovine PML nuclear bodies (NBS) for non-diagnostic purposes, where detection is immunofluorescence d e t e c t i o n
CN 118005752 A 20240510	Univ Northwest A & F	China	New viral antigen protein including truncate of nonstructural protein 4B (NS4B) protein of bovine viral diarrhea virus, preferably C-terminal truncate of NS4B protein with specific length used in preparing bovine viral diarrhea virus vaccine or bovine viral diarrhea virus NS4B subunit vaccine

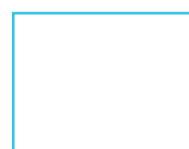
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024111697 A1 20240530	Adbiotech Co Ltd	South Korea	Producing single domain variable region of heavy chain antibody useful e.g. for treating calf digestive disease by injecting mixture of outer membrane protein of calf digestive disease causative agent or virus and flagellin into Camelidae
CN 117982535 A 20240507	Shijiazhuang Luanxiang Biotechnology Co Ltd	China	Composition used for treating and preventing parasites in animals including pigs, cattle, chickens or rabbits and killing parasites including Coccidia, comprises 4-chloro-3-methylphenol, benzyl chlorophenol and phosphoric acid
WO 2024064209 A1 20240328	Data2discovery Inc	USA	Composition used to treat Mycobacteriaceae infection in host animal, where the infection is tuberculosis
WO 2024074554 A1 20240411	The Francis Crick Institute Ltd	United Kingdom	Use of farnesyl-diphosphate farnesyltransferase 1 inhibitor for treating or preventing e.g. parasitic infection, Cryptosporidium infection, viral infection, rotavirus infection, bacterial infection and Salmonella infection
CN 117987325 A 20240507	Univ Huazhong Agric	China	New bovine-derived <i>Bifidobacterium pseudocatenulatum</i> strain XU001 used in preparation of medicine for preventing or treating Salmonella typhimurium-type intestinal damage caused by Salmonella typhimurium, treating diarrhea in piglets, lambs or calves and improving intestinal health
CN 118048275 A 20240517	Shandong Bilan Biological Technology Co	China	New <i>Bacillus subtilis</i> is preserved in China Center for Type Culture Collection, used in microbial inoculum and preparing products for production of xylanase, fructosyltransferase, protease, amylase, cellulase and phytase, and inhibiting intestinal pathogenic bacteria of livestock and poultry



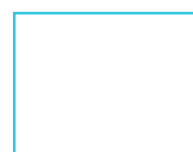
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118059110 A 20240524	Univ Shandong Normal	China	Use of cedrelone for preparing antiviral medicine, where virus includes vesicular stomatitis virus, bovine typhoid virus, Sendai virus, influenza virus, human herpes simplex virus type I and bovine parainfluenza virus type III
CN 117866989 A 20240412	Dongwo Tongtai Fengcheng Biological Eng Co Ltd	China	Bovine viral diarrhea virus nanoparticle antigen used in preparation immune composition and yolk antibody, comprises E0 and E2 recombinant protein and heat-resistant nanoparticle of Aquifex aeolicus lumazine synthase, where amino end of E0 and/or E2 recombinant protein contain Splytag
CN 117721170 A 20240319	Hunan Animal Husbandry And Veterinary Res Institute Hunan Livestock Breeding Workstation	China	Formula, preparation method and use method of novel rapid diagnostic reagent for cow mastitis
CN 117838701 A 20240409	Luoyang Huide Bioengineering Co Ltd	China	Composition used in treatment of mastitis in lactating dairy cows, comprises ceftiofur hydrochloride, suspending agent, dispersing agent, deflocculant, antioxidant, activity accelerator and oily solvent, where activity accelerator comprises vitamin C, lysozyme, lectin and/or vitamin B12
WO 2024088138 A1 20240502	Ningbo Mingyi Biotechnology Co Ltd	China	The inactivated oral vaccine or the oral composition is useful in preparing a medicine or feed for treating and/or preventing infection or disease caused by pathogens (e.g. Influenza, viral hepatitis, African swine fever, porcine reproductive and respiratory syndrome, colibacillosis, salmonellosis, necrotic enteritis, vibriosis, cattle shipping fever pneumonia, gonorrhoea, urinary tract infection, coccidiosis, nematodes, taeniasis and cancer)



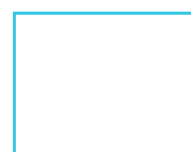
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118059226 A 20240524	Univ Southwest Minzu	China	New water-soluble animal vaccine comprising water-soluble polymer adjuvant comprising Pluronic, polylactic-co-glycolic acid copolymer and polycaprolactone, and antigen, for preventing infectious bursal disease in chickens, bovine viral diarrhea, bovine sheep pox disease or porcine epidemic diarrhea
EP 4382114 A1 20240612	Green Farm Lab S R L	Italy	Composition for preventing or treating mastitis in a dairy animal such as dairy cow, sheep and goat, comprises plant belonging to genus Ocimum or its portion and extract of plant belonging to genus Ocimum, sesquiterpene, vitamin and plant or its portion belonging to genus Moringa
CN 118105386 A 20240531	Univ Inner Mongolia Agric	China	Medicine-resistant bacteria biofilm inhibitor used for inhibiting calf-derived Escherichia coli biofilm, reducing adhesion value of calf-derived Escherichia coli biofilm-positive strains, and reducing growth and formation of strain biofilm, comprises berberine and minocycline
CN 117904123 A 20240419	Harbin Pharmaceutical Group Bio Vaccine Co Ltd	China	New codons-optimized bovine interferon 1 gene comprising specified nucleic acid sequences used as vaccine immunopotentiator, preferably inactivated vaccine for Pasteurella multocida disease
WO 2024112631 A1 20240530	Aimmax Therapeutics Inc	USA	Use of composition comprising flopristin for treating bacterial infection, or disease associated with bacterial infection, or disease caused by bacterial infection
WO 2024097158 A1 20240510	Ramirez Christina M	USA	The pharmaceutical composition is useful for treating herpesvirus infection i.e. Equine Herpesvirus (EHV), Gallid herpesvirus (GaAHV), or Bovine herpesvirus (BoAHV) infection, prophylaxis, or pre-exposure prophylaxis



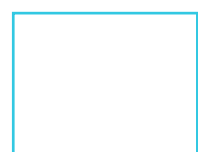
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117771231 A 20240329	Univ Lanzhou	China	Application of xanthone compounds in mangosteen extract in prevention and treatment of dairy cow mastitis pathogenic bacteria
US 11951159 B1 20240409	Us Agriculture	USA	Antigenic polypeptides elicits immune response in vaccinated hosts protecting from cattle fever tick infestation; and enhances immune response to antigen and antigenicity.
WO 2024097397 A1 20240510	Helix Nanotechnologies Inc	USA	New isolated polynucleotide encoding ruminal-associated antigens, or fragments, variants or variant fragments, used e.g. to reduce methane emissions from animals e.g. ruminants, and to vaccinate animals against ruminal-associated antigens
CN 117903300 A 20240419	Univ Shandong	China	New neutralizing antibody HY1 used in preparing A type foot-and-mouth disease virus detection reagent or kit, and preparing medicine for preventing or treating A type foot-and-mouth disease virus infection
CN 117737088 A 20240322	Shanghai Shenruilian Biomedical Co Ltd	China	Preparation and application of bovine nodular skin disease virus circular RNA (Ribonucleic Acid) and vaccine
CN 117918896 A 20240426	Anhui Muxiang Poultry Ind Co Ltd	China	Diarrhea livestock rectum sampling method, involves cleaning anus by alcohol and sterilizing at same time, installing sampling device, lubricating device, and slowly processing device and inserting device from anus
CN 117919396 A 20240426	Xinjiang Acad Animal Sci Veterinary Res	China	Using inactivated bovine foot-and-mouth disease vaccine in combination with live goatpox vaccine and live Brucella vaccine by preparing vaccinated animals, collecting sterile blood, separating serum, and performing immune antibody titer detection



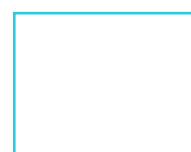
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117925536 A 20240426	Qingdao Runda Biological Technology Co	China	New Clostridium perfringens bacteriophage with cross-genus lytic ability as RDP-CP23044, deposited under China General Microbiological Culture Collection Center, for use in preparation of biological products e.g. feed additives for treating diseases caused by Clostridium perfringens and Salmonella
CN 117925474 A 20240426	Univ Hebei Agric	China	New Lactobacillus plantarum SDN1.2 used in preparation of products for inhibiting pathogenic bacteria in mammary gland of dairy cows, for producing antibacterial organic acids, and in preparation of probiotic preparations with antibiotic resistance
CN 118121581 A 20240604	Univ Lanzhou	China	Use of terpene compound comprising abietic acid, dehydrogenated abietic acid, celastrol, ursolic acid, oleanolic acid, corosolic acid, and methylbaradox in preventing and treating mastitis of milk cow
CN 117959299 A 20240503	Univ Lanzhou	China	Application of isocryptolepine derivative in preventing and treating mastitis pathogen of milk cow
CN 117924471 A 20240426	Hangzhou Aorui Biomedical Technology Co	China	New antibody pair or its antigen-binding fragment that specifically bind to E2 protein useful for preparing product for detecting E2 protein-related diseases, preferably bovine viral diarrhea virus infection
CN 117924515 A 20240426	Univ Sichuan	China	Double-target recombinant antigen used in preparing double-target recombinant antibody, comprises bovine Streptococcus and bovine Coccidiosis, apical membrane antigen 1 or immunolocalization protein 1 of coccidiosis, and rod-shaped determinant protein of Streptococcus
	Tibet Agric & Animal Husbandry College		



Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024118610 A2 20240606	Siren Biotechnology Inc	USA	New viral vector useful for treating cancer e.g. glioblastoma, comprises nucleic acid comprising first polynucleotide comprising minigene having splice modulator binding site 5' of second polynucleotide encoding interferon
CN 117925537 A 20240426	Qingdao Runda Biological Technology Co	China	New Pseudomonas aeruginosa phage i.e. RKP-PA-22003 used for preparing bio-formulation for treating diseases caused by Pseudomonas aeruginosa and controlling Pseudomonas aeruginosa contamination in livestock and poultry breeding environment
WO 2024117671 A1 20240606	Seoul Nat Univ R&Db Foundation	South Korea	New mannose phosphotransferase system (Man-PTS) IID peptide derived from any one or more species comprising Streptococcus and/or Lactobacillus used as livestock feed additive and health functional food for preventing or treating bone metabolic diseases including Paget's disease and/or osteopetrosis
CN 117815240 A 20240405	Lanzhou Univ	China	Application of compound with diaminopyrroloquinazoline structure in prevention and treatment of dairy cow mastitis pathogenic bacteria
CN 117618428 A 20240301	Univ Lanzhou	China	Application of cryptolepine alkaloid in prevention and treatment of dairy cow mastitis pathogenic bacteria
CN 117964746 A 20240503	Univ Shandong	China	Type A foot-and-mouth disease virus neutralizing antibody HY2 useful in preparation of type A foot-and-mouth disease virus detection reagent or kit and medicine for preventing or treating type A foot-and-mouth disease virus infection, comprises heavy and light chain variable region
CN 117866052 A 20240412	Huazhong Agricultural Univ	China	New antimicrobial peptide useful for preparing Prototheca bovis inhibitor and preparing medicine for treating Prototheca bovis mastitis
	Wuhan Acad Of Agricultural Sciences		

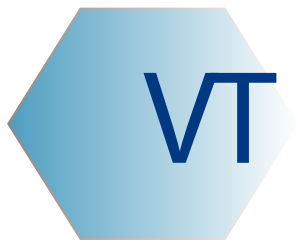


Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117959338 A 20240503	Hanzhong Qingqianliu Technology Service Co Ltd	China	Performing in vitro cultivation method of bionic bovine bilirubin calculus involves separating and purifying strain from fresh bile, inoculating activated Escherichia coli or multiple strains in broth culture medium, filling natural cattle or sheep bile in triangular flask
WO 2024073719 A2 20240404	Church & Dwight Co Inc	USA	Bacillus strain composition used e.g. to reduce growth of mastitis-causing organisms, comprises bacterial cell, spore, forespore, and/or cells, spores and/or forespores of Bacillus subtilis 839 and Bacillus subtilis 4976 or active variant
WO 2024073719 A3 20240620	Church & Dwight Co Inc	USA	Bacillus strain composition used e.g. to reduce growth of mastitis-causing organisms, comprises bacterial cell, spore, forespore, and/or cells, spores and/or forespores of Bacillus subtilis 839 and Bacillus subtilis 4976 or active variant
US 2024122872 A1 20240418	Epitop Inc	USA	Treating a viral infection caused by a poxvirus in a subject, where the poxvirus comprises smallpox virus (variola), vaccinia virus, cowpox virus, monkeypox virus, orf virus, pseudocowpox virus, bovine popular stomatitis virus, comprises administering composition comprising thujopsene
CN 117866930 A 20240412	Jiangsu Acad Of Agricultural Sciences	China	New Salmonella phage lyase Lys52 useful for e.g. lysing Salmonella, preparing anti-Salmonella infection medicine combination and preventing and controlling Salmonella in livestock and poultry and Salmonella contamination in food
CN 117797197 A 20240402	Southwest Univ For Nationalities	China	Application of macleaya cordata total alkaloids and main component isoquinoline alkaloids in inhibition of dairy cow mastitis pathogenic bacteria



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117721126 A 20240319	Inst Animal Sciences Caas	China	Nanometer antibody for inhibiting ruminant rumen urease activity and preparation method and application thereof
CN 118006515 A 20240510	Univ China Agricultural	China	New Lactococcus lactis L-WY410 used in preparing drug for treating bovine mastitis caused by Staphylococcus aureus and/or Streptococcus agalactiae, and inhibiting growth of Staphylococcus aureus and/or Streptococcus agalactiae
CN 117777283 A 20240329	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	New monoclonal antibody of bovine leukemia virus p24 protein used for preparing reagent or kit for detecting bovine leukemia virus antibody and detecting bovine leukemia virus antibody with non-diagnosis as target
NL 2030002 B1 20230620	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences	China	New hybridoma cell line useful for secreting monoclonal antibody useful in preparation of reagent or kit for detecting Mycoplasma mycoides cluster

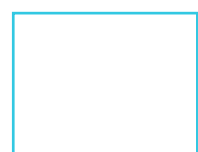




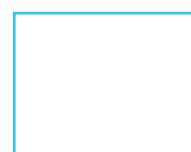
Ovino y Caprino



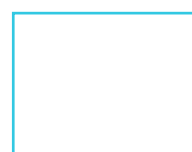
Número de publicación	Solicitante	País de origen	Contenido técnico
TR 202022206 A2 20220721	Selcuk Ueniversitesirektoerluegue	Turkey	Marker vaccine useful in kit for distinguishing between vaccinated animals and brucellosis infected animals for e.g. treating brucellosis disease in sheep and goats, comprises Brucella melitensis Rev.1 mutant
ZA 202302713 B 20230531	Inner Mongolia Minzu Univ	China	New single nucleotide polymorphism site located at specified site in open reading frame of coding gene of sugar ATP-binding cassette transporter periplasmic sugar-binding protein of Brucella, used to identify Brucella suis vaccine strain
WO 2024115111 A1 20240606	Dsm Ip Assets Bv	Nether-lands	Composition used for modulating growth of microorganisms in gastrointestinal tract of animals, improving gut health of animals, treating, ameliorating and/or preventing post-weaning diarrhea, comprises benzoic acid and organic acid or salt
WO 2024115911 A1 20240606	Morehun Res Institute	United Kingdom	New Coxiella burnetii comprising a genome sequence used for e.g. raising immune response, treating Q fever, and in medicine
CN 118084657 A 20240528	Univ Sichuan	China	Acidulant used for inhibiting pathogenic bacteria, preferably Escherichia coli, Staphylococcus aureus, and Salmonella, in poultry and livestock, is obtained by reacting rare earth salt and small molecule organic acid, preferably lactic acid, acetic acid, or butyric acid



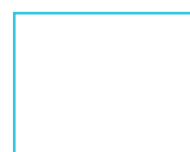
Número de publicación	Solicitante	País de origen	Contenido técnico
EP 4382114 A1 20240612	Green Farm Lab S R L	Italy	Composition for preventing or treating mastitis in a dairy animal such as dairy cow, sheep and goat, comprises plant belonging to genus Ocimum or its portion and extract of plant belonging to genus Ocimum, sesquiterpene, vitamin and plant or its portion belonging to genus Moringa
WO 2024074554 A1 20240411	The Francis Crick Institute Ltd	United Kingdom	Use of farnesyl-diphosphate farnesyltransferase 1 inhibitor for treating or preventing e.g. parasitic infection, Cryptosporidium infection, viral infection, rotavirus infection, bacterial infection and Salmonella infection
CN 117987325 A 20240507	Univ Huazhong Agric	China	New bovine-derived Bifidobacterium pseudocatenum strain XU001 used in preparation of medicine for preventing or treating Salmonella typhimurium-type intestinal damage caused by Salmonella typhimurium, treating diarrhea in piglets, lambs or calves and improving intestinal health
CN 118048275 A 20240517	Shandong Bilan Biological Technology Co	China	New Bacillus subtilis is preserved in China Center for Type Culture Collection, used in microbial inoculum and preparing products for production of xylanase, fructosyltransferase, protease, amylase, cellulase and phytase, and inhibiting intestinal pathogenic bacteria of livestock and poultry
CN 118064377 A 20240524	Jiangsu Agric Sci Inst	China	New hybridoma cell line secreting anti-Mycoplasma ovipneumoniae monoclonal antibody used in preparing reagent and/or kit for detecting Mycoplasma ovipneumoniae for non-diagnostic purposes



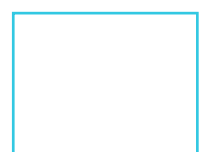
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117777285 A 20240329	Shanxi Nanolattix Biotechnology Co Ltd	China	Nanometer antibody of targeted pancreatic polypeptide, coding sequence and application of nanometer antibody
CN 117919396 A 20240426	Xinjiang Acad Animal Sci Veterinary Res	China	Using inactivated bovine foot-and-mouth disease vaccine in combination with live goatpox vaccine and live Brucella vaccine by preparing vaccinated animals, collecting sterile blood, separating serum, and performing immune antibody titer detection
CN 117925536 A 20240426	Qingdao Runda Biological Technology Co	China	New Clostridium perfringens bacteriophage with cross-genus lytic ability as RDP-CP23044, deposited under China General Microbiological Culture Collection Center, for use in preparation of biological products e.g. feed additives for treating diseases caused by Clostridium perfringens and Salmonella
CN 117778469 A 20240329	Univ Northwest A&F	China	Gene editing method for improving expression of milk goat anti-mastitis gene lysozyme
CN 117924482 A 20240426	Univ Shihezi	China	New nanobody targeting inhibin-alpha comprising nanobody-4, nanobody-15, nanobody-26 and nanobody-57 having specific amino acid sequences, used in preparation of anti-follistatin immune preparation and sheep inhibin immunosuppressant and for improving lambing rate of sheep
WO 2024112631 A1 20240530	Aimmax Therapeutics Inc	USA	Use of composition comprising flopristin for treating bacterial infection, or disease associated with bacterial infection, or disease caused by bacterial infection



Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024118610 A2 20240606	Siren Biotechnology Inc	USA	New viral vector useful for treating cancer e.g. glioblastoma, comprises nucleic acid comprising first polynucleotide comprising minigene having splice modulator binding site 5' of second polynucleotide encoding interferon
CN 117843775 A 20240409	Chongqing Auleon Biologicals Co Ltd	China	Monoclonal antibody secreting toxoplasma gondii, hybridoma cell strain and application
CN 117925537 A 20240426	Qingdao Runda Biological Technology Co	China	New Pseudomonas aeruginosa phage i.e. RKP-PA-22003 used for preparing bio-formulation for treating diseases caused by Pseudomonas aeruginosa and controlling Pseudomonas aeruginosa contamination in livestock and poultry breeding environment
CN 117778468 A 20240329	Univ Northwest A&F	China	Gene editing method for improving expression of milk goat anti-mastitis gene beta defensin 1
WO 2024102923 A1 20240516	Centivax Inc	USA	Vaccine composition used to prevent influenza, comprises RNAs that collectively encode for six homologous distinct antigen components, and viral-like particles that collectively display six homologous distinct antigen components
WO 2024097397 A1 20240510	Helix Nanotechnologies Inc	USA	New isolated polynucleotide encoding ruminal-associated antigens, or fragments, variants or variant fragments, used e.g. to reduce methane emissions from animals e.g. ruminants, and to vaccinate animals against ruminal-associated antigens



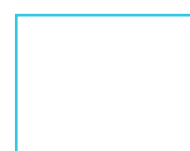
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024117671 A1 20240606	Seoul Nat Univ R&Db Foundation	South Korea	New mannose phosphotransferase system (Man-PTS) IID peptide derived from any one or more species comprising Streptococcus and/or Lactobacillus used as livestock feed additive and health functional food for preventing or treating bone metabolic diseases including Paget's disease and/or osteopetrosis
CN 117866930 A 20240412	Jiangsu Acad Of Agricultural Sciences	China	New Salmonella phage lyase Lys52 useful for e.g. lysing Salmonella, preparing anti-Salmonella infection medicine combination and preventing and controlling Salmonella in livestock and poultry and Salmonella contamination in food
CN 117721126 A 20240319	Inst Animal Sciences Caas	China	Nanometer antibody for inhibiting ruminant rumen urease activity and preparation method and application thereof
NL 2030002 B1 20230620	Lanzhou Veterinary Res Institute Chinese Academy Of Agricultural Sciences	China	New hybridoma cell line useful for secreting monoclonal antibody useful in preparation of reagent or kit for detecting Mycoplasma mycoides cluster
CN 117904197 A 20240419	Innovation Beijing Biotechnology Co Ltd	China	Sheep rotavirus infectious clone plasmid, construction method, reverse genetic virus rescue system of sheep rotavirus and application of reverse genetic virus rescue system



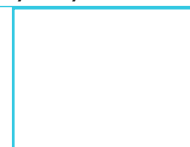
VT Porcino



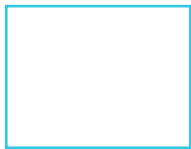
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024110451 A1 20240530	Intervet Int Bv	Netherlands	New live attenuated African swine fever virus (ASFV) modified form of the genome of the ASFV Lv17/WB/Rie1 strain in which the EP153R gene and the EP402R gene have been inactivated useful in treating disease caused by ASFV infection
	Consejo Superior Investigacion	Spain	
	Allatorvostudományi Ki	Hungary	
	Univ Madrid Complutense	Spain	
	Gold Standard Diagnostics Madrid S A	Spain	
WO 2024110680 A1 20240530	Consejo Superior Investigacion	Spain	New thiophene derivative used in pharmaceutical composition for treatment and/or prevention of viral diseases selected from Ebola disease and African swine fever
	Fundacion Para La Investigacion Biomedica Del Hospital Univ 12 De Octubre		
CN 118147170 A 20240607	Suzhou Baieji Bioeng Technology Co Ltd	China	New CD2v recombinant protein used in preparing medicines for preventing or treating African swine fever virus infection in fat pigs, where amino acid at glycosylation site of recombinant protein is replaced and replacement results in inhibition of glycosylation of recombinant protein
CN 118141814 A 20240607	Univ Henan Animal Husbandry & Economy	China	Use of iron chelating agent deferiprone in preparing medicine for preventing porcine reproductive and respiratory syndrome



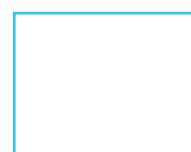
Número de publicación	Solicitante	País de origen	Contenido técnico
ZA 202302713 B 20230531	Inner Mongolia Minzu Univ	China	New single nucleotide polymorphism site located at specified site in open reading frame of coding gene of sugar ATP-binding cassette transporter periplasmic sugar-binding protein of Brucella, used to identify Brucella suis vaccine strain
TW 202411240 A 20240316	National Pingtung Univ Of Science And Technology	Taiwan	PRRSV-derived recombinant protein and use thereof which is easily producible and exhibits superior abilities to promote polarization of macrophage to the M1 type, effectively inhibiting cancer cell growth, and avoiding the occurrence of immune storm
CN 118155862 A 20240607	Univ Jilin	China	Emergency treatment system for treating Swine influenza based on hierarchical early warning algorithm, determines time for relieving risk according to threshold theory, where sick pig continues to be used as sample for monitoring after being treated, isolated and recovered
WO 2024130155 A2 20240620	Univ Cornell	USA	New amino acid sequence comprises consensus H1 hemagglutinin polypeptide used for e.g. inducing immune response against influenza A virus (IAV), and preventing IAV infection
CN 118001384 A 20240510	Univ Southern Sci & Technology	China	New african swine fever messenger RNA vaccine useful as candidate vaccine for preventing African swine fever virus, where vaccine encodes at least one African swine fever virus antigen protein
WO 2024115111 A1 20240606	Dsm Ip Assets Bv	Netherlands	Composition used for modulating growth of microorganisms in gastrointestinal tract of animals, improving gut health of animals, treating, ameliorating and/or preventing post-weaning diarrhea, comprises benzoic acid and organic acid or salt
CN 118161478 A 20240611	Univ China Agricultural	China	Use of mast cell inhibitor in preparing medicine for preventing early infection of porcine reproductive and respiratory syndrome



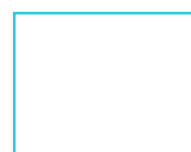
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118127119 A 20240604	Univ Northeast Agric	China	Use of peroxiredoxin 4 (PRDX4) gene as target in screening reagents for inhibiting foot-and-mouth disease virus infection and replication and preparing cells or animal models free of foot-and-mouth disease virus infection, where reagent targets PRDX4 gene and promotes expression of PRDX4 gene
CN 221105886 U 20240611	Shanghai Mingjie Biotechnology Co Ltd	China	African swine fever virus detection sampler, has top rod located in inner cavity of sampling needle head, where end of push rod far away from piston is fixed with push plate, and needle cylinder fixed on top rod of outer side of spring
WO 2024126742 A1 20240620	Univ Tours	France	Use of aconitate or its salt for treatment of a viral lung infection and/or of adverse immune response to a viral lung infection
	Inst Nat Sante Rech Med		
	Chru De Tours		
CN 118166002 A 20240611	Univ Army Medical Peoples Liberation Arm	China	New target gene zinc finger DHHC-type containing 1 useful for resisting African swine fever virus and positively regulating innate immune response of host
KR 20240083160 A 20240611	Univ Gyeongsang Ind Acad Coop Found	South Korea	New infectious clone comprising full-length nucleotides of porcine epidemic diarrhea virus complementary DNA useful in vaccine composition for producing recombinant porcine epidemic diarrhea virus
KR 20240083944 A 20240613	Rural Dev Administration Univ Chonbuk Nat Ind Coop Found	South Korea	Producing immune-induced silkworm extract used for preparing Escherichia coli dead cell vaccine for preventing piglet colibacillosis, comprises e.g. spraying organic solvent on silkworm epidermis, and spraying agent onto epidermis



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WO 2024123640 A1 20240613	Zoetis Services Llc	USA	Use of vaccine comprising modified live porcine reproductive and respiratory syndrome-1 virus attenuated in cells expressing porcine cluster of differentiation 163 for inducing protective immunity
CN 117987379 A 20240507	Univ Huazhong Tongji Medical College	China	Preparing phage targeting ExPEC by mixing host bacteria, phage filtrate, and culture medium in proportion, followed by proliferation, culture, separation, and purification, where host bacterium is logarithmic phase bacterial liquid of extraintestinal pathogenic Escherichia coli derived from pigs
CN 117982634 A 20240507	Univ Shandong Agric	China	Protein composition used for preparing product for treating and preventing porcine reproductive and respiratory syndrome virus, comprises Toxoplasma gondii ribosomal P2 protein (TgP2), tGP3, tGP4, tGP5, transmembrane, nonstructural protein 11 alphamt (nsp11 alphamt), NSP11mt, and NSP12
CN 118086230 A 20240528	China Animal Health & Epidemiology Cent	China	New natural weak strain of African swine fever with large gene deletions in multiple gene families used for preparing vaccine, has missing nucleic acid fragment in left variable region of its genome compared with strong African swine fever strain
CN 117987377 A 20240507	Univ China Agricultural	China	A recombinant porcine reproductive and respiratory syndrome virus useful in e.g. screening antiviral drugs and quantitative detection of porcine reproductive and respiratory syndrome virus titre, comprises HiBiT sequence at specific sites in Nsp2 gene coding region



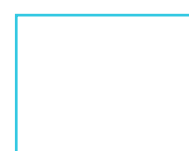
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118005778 A 20240510	Chinese Acad Agric Sci Shanghai Veterina	China	New monoclonal antibody of African swine fever virus p30 protein comprising heavy chain variable region and light chain variable region including complementarity determining regions, used for preparing African swine fever virus antibody competition enzyme linked immunosorbent assay detection kit
WO 2024101249 A1 20240516	Japan Eco Science Co Ltd	Japan	Inhibitor used for suppressing viral infection, where virus is e.g. swine epidemic diarrhea virus belonging to alpha coronaviruses and severe-acute-respiratory-syndrome-related coronavirus 2 belonging to beta coronaviruses, comprises microorganism of genus Caldibacillus or its culture
	Miroku Co Ltd		
	Keiyo Gas Energy Solution Co Ltd		
	Sermas Co Ltd		
CN 118063562 A 20240524	Tecon Biopharm Co Ltd	China	New Porcine circovirus 2 (PCV2) capsid (Cap) protein used for assembling PCV-like particle and preparing vaccine, preferably subunit vaccine and virus-like particle vaccine against PCV2, formed by mutation of wild-type PCV2 Cap protein
CN 118084657 A 20240528	Univ Sichuan	China	Acidulant used for inhibiting pathogenic bacteria, preferably Escherichia coli, Staphylococcus aureus, and Salmonella, in poultry and livestock, is obtained by reacting rare earth salt and small molecule organic acid, preferably lactic acid, acetic acid, or butyric acid
WO 2024096648 A1 20240510	Optipharm Co Ltd	South Korea	New open reading frame 2 (ORF2) recombinant gene of porcine circovirus 2d (PCV2d) consisting of specific base sequence used for preventing porcine circovirus infectious diseases including post-weaning multisystemic wasting syndrome, pseudorabies and porcine reproductive and respiratory syndrome



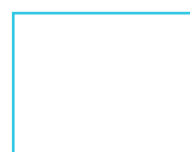
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118006690 A 20240510	Yang Y	China	Constructing tandem expression vector of main protective proteins of three porcine pathogenic coronaviruses used as enzyme-linked immunosorbent assay method for detecting porcine coronavirus infection, comprises e.g. transfecting recombinant plasmid vector into Sf9 cells, and culturing
CN 118086229 A 20240528	Lanzhou Veterinary Res Inst China Agric Univ Lanzhou	China	New porcine reproductive and respiratory syndrome virus replication-deficient strain used in preparation of vaccine for preventing or treating porcine reproductive and respiratory syndrome, obtained by deleting nucleotides of ORF3 gene of parent porcine reproductive and respiratory syndrome virus
CN 118005747 A 20240510	Pulike Biological Eng Inc	China	New polypeptide capable of promoting African swine fever virus antigen-specific cellular immune response useful in e.g. preparing medicine for preventing and/or treating diseases caused by African swine fever virus
CN 118078754 A 20240528	Univ Nanjing Agric	China	Use of nano lipid carrier in preparation of medicine for inhibiting porcine coronavirus including porcine epidemic diarrhea virus, where nanolipid carrier comprises solid lipid, liquid lipid, emulsifier and water
CN 118146320 A 20240607	Guangzhou Yoyoung Biotech Co Ltd	China	New porcine reproductive and respiratory syndrome virus glycoprotein 5 protein comprising specific amino acid sequence, used for preparing detection kit and vaccine
CN 118027207 A 20240514	Fuzhou Weihe Biotechnology Co Ltd	China	New nanoantibody or antigen binding fragment containing nanoantibody used in preparing product for detecting African swine fever virus deoxyuridine pyrophosphate, where nanobody has three complementary determinants CDR1, CDR2 and CDR3



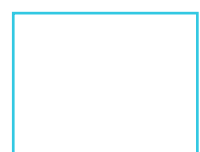
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024118959 A1 20240606	Chen Dalu	USA	Preventing and treating viral infections in animals, preferably African swine fever virus, where viral infection is chosen from Pseudorabies virus and Bluetongue virus, by inhibiting viral entry protein-to-cellular receptor interaction in animal, and preventing and treating viral infection in animal
	Malcolm Thomas		
CN 117982483 A 20240507	Univ Huazhong Agric	China	Application of octyl gallate for preparing medicine for preventing porcine reproductive and respiratory syndrome
CN 118001388 A 20240510	Chinese Acad Sci Microbiology Inst	China	New fusion protein used as nanoparticle vector for presenting antigens, formed by fusion of African swine fever virus A137R protein and antigen protein or SpyCatcher protein, where SpyCatcher protein is located at N-terminus of A137R protein
WO 2024074554 A1 20240411	The Francis Crick Institute Ltd	United Kingdom	Use of farnesyl-diphosphate farnesyltransferase 1 inhibitor for treating or preventing e.g. parasitic infection, Cryptosporidium infection, viral infection, rotavirus infection, bacterial infection and Salmonella infection
WO 2024079463 A1 20240418	Eco Animal Health Ltd	United Kingdom	New antibody which binds to porcine cluster of differentiation (CD)163 comprising binds to membrane-bound form of porcine CD163, used for treating or preventing porcine reproductive and respiratory syndrome virus infection
CN 117987325 A 20240507	Univ Huazhong Agric	China	New bovine-derived Bifidobacterium pseudocatenulatum strain XU001 used in preparation of medicine for preventing or treating Salmonella typhimurium-type intestinal damage caused by Salmonella typhimurium, treating diarrhea in piglets, lambs or calves and improving intestinal health



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CN 118048275 A 20240517	Shandong Bilan Biological Technology Co	China	New Bacillus subtilis is preserved in China Center for Type Culture Collection, used in microbial inoculum and preparing products for production of xylanase, fructosyltransferase, protease, amylase, cellulase and phytase, and inhibiting intestinal pathogenic bacteria of livestock and poultry
CN 118005748 A 20240510	Pulike Biological Eng Inc	China	New P30 protein fragment of African swine fever virus useful in preparing medicine for preventing disease caused by African swine fever virus or preparing African swine fever virus antibody detection product and veterinary biological product
CN 117679503 A 20240312	Hangzhou Yisikang Pharmaceutical Tech Co Ltd	China	Composite liposome adjuvant, preparation method and application of composite liposome adjuvant in foot-and-mouth disease subunit vaccine
	Zhejiang Hongsheng Biotechnology Co Ltd		
	Chengdu Yisikang Biotechnology Co Ltd		
US 2024148801 A1 20240509	Purina Animal Nutrition Llc	USA	Mitigating pathogenic infection e.g. Streptococcus suis infection in animal, comprises admixing mitigant composition comprising medium-chain fatty acid composition containing caprylic acid and capric acid, and direct-fed microbial composition with base feed, providing mitigant feed mixture to animal
CN 118121693 A 20240604	Beijing Vbiosci Biotechnology Co Ltd Zhejiang Dingchi Biological Prod Co Ltd	China	New subunit vaccine used in preparing product including vaccine, medicine and diagnostic kit for preventing African swine fever, comprises EP153R antigen, CD2v antigen, p72 antigen, p30 antigen, p54 antigen, K205R antigen, B602L antigen, A238L antigen and A104R antigen



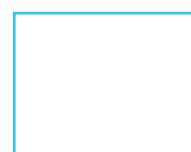
Número de publicación	Solicitante	País de origen	Contenido técnico
KR 20240054479 A 20240426	Iac In Nat Univ Chungnam	South Korea	Surface engineering based adjuvanted porcine epidemic diarrhea virus vaccine
KR 20240066798 A 20240516	Republic Korea Animal & Plant Quarantine Agency	South Korea	Vaccine Solid Preparation For Oral Administration in Swine
	Dongwon Pharma Co Ltd		
CN 117741140 A 20240322	Univ Yangzhou	China	Method for screening T cell antigen and T cell epitope polypeptide of African swine fever virus based on dendritic cell immunity and application
WO 2024088138 A1 20240502	Ningbo Mingyi Biotechnology Co Ltd	China	The inactivated oral vaccine or the oral composition is useful in preparing a medicine or feed for treating and/or preventing infection or disease caused by pathogens (e.g. Influenza, viral hepatitis, African swine fever, porcine reproductive and respiratory syndrome, colibacillosis, salmonellosis, necrotic enteritis, vibriosis, cattle shipping fever pneumonia, gonorrhoea, urinary tract infection, coccidiosis, nematodes, taeniasis and cancer)
CN 118064385 A 20240524	Muyuan Food Co Ltd	China	New Escherichia coli bacteriophage DH5a- HM-25 used for preparing a medicine for preventing and/or treating disease caused by Escherichia coli infection, which include diarrhea and/or dehydration
CN 118105368 A 20240531	Univ Henan Sci & Technology	China	Use of cinnamyl aldehyde in preparing medicine for preventing and treating porcine reproductive and respiratory syndrome, used for inhibiting porcine reproductive and respiratory syndrome virus, preferably e.g. highly pathogenic porcine reproductive and respiratory syndrome virus type strain



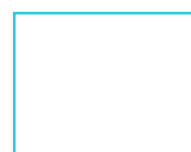
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117919391 A 20240426	Univ Southern Sci & Technology	China	New African swine fever mRNA epitope vaccine comprising ribonucleic acid for coding epitope protein and mRNA element, where epitope protein includes e.g. Cluster of Differentiation 2 Variant, Ectromelia Virus Protein 153R, protozoan 30, protozoan 49, Protozoan 72 and Plasmodium Protein 220
CN 117838851 A 20240409	Guangdong Wens Dahuanong Biotechnology Co Ltd	China	Porcine reproductive and respiratory syndrome live vaccine diluent as well as preparation method and application thereof
WO 2024107660 A1 20240523	Zoetis Services Llc	USA	Bait vaccine formulation used e.g. for eliciting protective immune response against pathogen in wild boar or feral pig population in habitat, comprises antigen, optionally adjuvant, and matrix
CN 117717610 A 20240319	Jiangsu Acad Agricultural Sci	China	High-efficiency subunit vaccine for porcine epidemic diarrhea virus
CN 118027161 A 20240514	Univ Nanjing Agric Nanjing Changji Biotechnology Co Ltd	China	Actinobacillus pleuropneumoniae antigen protein combination used in preparing subunit vaccine of Porcine pleuropneumonia, comprises rApXI, rApXII, rApXIII, rOmpA and rOmpD protein, where protein combination is prepared using Actinobacillus pleuropneumoniae of serotype 5 as template
CN 118126140 A 20240604	Zhejiang Agric Sci Acad	China	New recombinant E2 protein of classical swine fever virus comprising specific coding gene sequence used in preparation of vaccine for preventing or treating pseudorabies and swine fever
CN 117736334 A 20240322	Univ Guangxi	China	Preparation method and application of porcine enterovirus G-type PLP protein polyclonal antibody



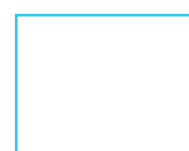
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117757752 A 20240326	Shanghai Veterinary Res Inst Chinese Academy Agricultural Sciences China Ct Animal	China	Marc-145 cell line capable of stably expressing PRRSV (porcine reproductive and respiratory syndrome virus) secondary structural protein as well as preparation method and application of Marc-145 cell line
CN 118105370 A 20240531	Univ Northeast Agric	China	Use of methionine with antibacterial medicine (macrolide, tetracycline or fluoroquinolone antibacterial medicine, tylosin, tilmicosin, doxycycline or ciprofloxacin) in preparing medicine for inhibiting Streptococcus suis
CN 118127078 A 20240604	Chinese Acad Agric Sci Shanghai Veterina	China	New pJEV-CMV-p54 replicon plasmid having specific nucleic acid sequence used for preparing monoclonal antibodies and developing African swine fever virus vaccine
CN 118121607 A 20240604	Chinese Acad Sci Hangzhou Advanced Study	China	Reserpine for preparing antiviral medicine, where the virus comprises swine flu (H1N1), vesicular stomatitis virus (VSV) and herpes simplex virus (HSV) used for inhibiting virus infection.
CN 117815374 A 20240405	Wuhan Keqian Biological Co Ltd	China	Triple vaccine for porcine circovirus type 2, porcine streptococcus and porcine pneumonia mycoplasma comprises porcine circovirus 2d type Cap protein whose coding gene sequence, porcine streptococcus Trans protein whose coding gene sequence
CN 118147089 A 20240607	Univ Sanya Res Inst Nanjing Agric	China	New flavivirus vaccine strain Getah Virus GETV-LA11 preserved in China Center for Type Culture Collection, used in preparing flavivirus vaccine, medicine or reagent for treating, preventing or diagnosing diseases caused by flavivirus, where vaccine is attenuated live or inactivated vaccine



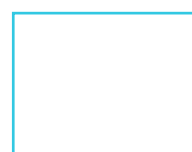
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118105462 A 20240531	Univ Yangzhou	China	Use of African swine fever virus protein QP383R in preparing medicine and pharmaceutical composition for interfering toll-like receptor signal path or inhibiting inflammatory cell factor, and construction of recombinant plasmid, in which cell factor comprises interleukin-4, and interferon-gamma
CN 118126141 A 20240604	Zhejiang Agric Sci Acad	China	New mutated full-length E2 protein of classical swine fever virus comprising specific coding gene sequence, used in preparation of vaccine for preventing or treating pseudorabies and swine fever
CN 118126966 A 20240604	Univ Shandong First Medical & Shandong	China	New attenuated swine influenza virus strain useful for preparing attenuated influenza vaccine, obtained by mutating hemagglutinin protein
CN 117701639 A 20240315	Inst Animal Health Guangdong Academy Agricultural Sciences	China	African swine fever B119L gene expressed by lentiviral vector as well as construction method and application of African swine fever B119L gene
CN 117701510 A 20240315	Univ Henan Agricultural	China	Establishment method and application of mammalian reovirus type 3 strain and animal model infected by mammalian reovirus type 3 strain
WO 2024064653 A1 20240328	Dupont Nutrition Biosci Aps	Denmark	New non-naturally occurring variant lectin polypeptide or its functional comprising specified amino acid sequence comprising substitutions used for treating or preventing viral infection e.g. porcine reproductive and respiratory syndrome
	Danisco Us Inc	USA	



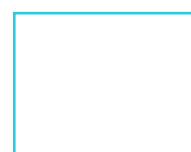
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117929725 A 20240426	Hangzhou Youben Animal Vaccine Co Ltd Jinhe Youben Biological Prod Co Ltd	China	Testing efficacy of finished swine fever E2 protein subunit vaccine involves dividing healthy guinea pigs into control and immune group, injecting swine fever E2 protein subunit vaccine to immune group, performing cardiac blood collection in both groups, separating serum to detect antibodies
CN 117925707 A 20240426	Univ Yangzhou	China	New infectious clone plasmid useful in preparing vaccine of porcine reproductive and respiratory syndrome virus, obtained by e.g. connecting middle vector with gene segment, where middle vector is connecting gene segment with plasmid by homologous recombination, and locating gene fragment
CN 117771348 A 20240329	Inst Animal Science & Veterinary Medicine Shandong Aas	China	The porcine hip artery endothelial cell-derived exosomes are used in the preparation of bacterial vaccines, where the bacterial vaccine is a vaccine against Gram-negative bacteria and/or Gram-positive bacteria. The Gram-negative bacterium is <i>Glaesserella parasuis</i> and the Gram-positive bacterium is <i>Streptococcus suis</i> 2 or <i>Staphylococcus aureus</i>
CN 117919392 A 20240426	Beijing Vbiosci Biotechnology Co Ltd Zhejiang Dingchi Biological Prod Co Ltd	China	Vaccine against African swine fever virus useful in preparation of products e.g. vaccines, medicines, and diagnostic kits for preventing African swine fever, comprises shot of mRNA vaccine and booster shot of subunit vaccine
CN 117942394 A 20240430	Univ Guangdong Ocean	China	Use of <i>Siraitia fructus</i> extract as immune adjuvant and/or preparing immune adjuvant for porcine circovirus type 2 (PCV2) vaccine, and preparing PCV2 vaccine as anti-porcine circovirus disease immune adjuvant



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CN 117679391 A 20240312	Inst Process Eng Cas	China	Alginate microcapsule of slow-release and controlled-release antigen-loaded nanoemulsion and preparation method thereof. The antigens include any of inactivated foot-and-mouth disease antigen, inactivated porcine ring antigen, inactivated porcine blue ear antigen, foot and mouth disease protein antigen, porcine ring protein antigen, porcine blue ear protein antigen
CN 117925544 A 20240426	Chinese Acad Agric Sci Shanghai Veterina	China	New porcine reproductive and respiratory syndrome virus strain useful in preparing vaccine for preventing or treating porcine reproductive and respiratory syndrome, obtained by mutating non-structural protein of porcine reproductive and respiratory syndrome virus
CN 117925545 A 20240426	Chinese Acad Agric Sci Shanghai Veterina	China	Porcine reproductive and respiratory syndrome virus weak strain used for preparing vaccine for preventing or treating porcine reproductive and respiratory syndrome virus, obtained by mutating non-structural protein of porcine reproductive
CN 117919396 A 20240426	Xinjiang Acad Animal Sci Veterinary Res	China	Using inactivated bovine foot-and-mouth disease vaccine in combination with live goatpox vaccine and live Brucella vaccine by preparing vaccinated animals, collecting sterile blood, separating serum, and performing immune antibody titer detection
CN 117919267 A 20240426	Univ Shihezi	China	Use of honeysuckle-derived miR2911 in inhibitor of porcine reproductive and respiratory syndrome virus used in pharmaceutical composition for preparing medicine for resisting porcine reproductive and respiratory disorder syndrome virus



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CN 117925536 A 20240426	Qingdao Runda Biological Technology Co	China	New Clostridium perfringens bacteriophage with cross-genus lytic ability as RDP-CP23044, deposited under China General Microbiological Culture Collection Center, for use in preparation of biological products e.g. feed additives for treating diseases caused by Clostridium perfringens and Salmonella
CN 117771351 A 20240329	Inst Animal Science & Veterinary Medicine Shandong Aas	China	Preparation method and application of porcine circovirus II type nano vaccine based on covalent organic framework
CN 117919393 A 20240426	Beijing Vbiosci Biotechnology Co Ltd Zhejiang Dingchi Biological Prod Co Ltd	China	New mRNA vaccine useful for preventing of African swine fever, encodes EP153R antigen, CD2v antigen, p72 antigen, p30 antigen, p54 antigen, K205R antigen, B602L antigen, A238L antigen, and A104R antigen of African swine fever virus
CN 117737010 A 20240322	Univ Henan Agricultural	China	Pig transmissible gastroenteritis virus mutant virus as well as preparation method and application thereof
CN 117946260 A 20240430	Univ Shandong Agric	China	New type II porcine reproductive and respiratory syndrome virus B cell epitope neutralizing antibody recombinant protein useful in preparing II type porcine reproductive and respiratory syndrome virus detection product
CN 117965569 A 20240503	Univ Sichuan Agric	China	New artificially modified and synthesized porcine reproductive and respiratory syndrome virus PRRSV GP5-M gene useful in transfer vector for preparing recombinant virus for vaccine composition



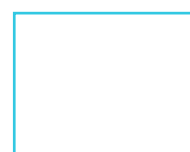
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117964745 A 20240503	Lanzhou Veterinary Res Inst China Agric	China	New specific monoclonal antibody against Cap protein of porcine circovirus type 2 comprising heavy and light chain constant regions and heavy and light chain variable regions useful in preparing reagent for detecting type 2 porcine circovirus, or test strip, or test kit
CN 117947078 A 20240430	Univ South China Agric	China	Copper ions (Cu ²⁺) induction <i>Saccharomyces boulardii</i> expression system used in secretion of porcine circovirus 2 Cap protein, is prepared by inserting uridine auxotrophy 3 alleles on <i>S.b</i> ~DCUP1 chromosome and introducing Cre-LoxP recombinase system to eliminate HyhMX6/KanR resistance
KR 20240051388 A 20240422	Univ Konkuk Ind Coop Corp	South Korea	Korean Porcine reproductive and respiratory syndrome virus and uses thereof
CN 117586424 A 20240223	Univ Northwest A&F	China	Porcine interleukin-22/beta defensin 2 fusion protein expressed by <i>pichia pastoris</i> and application of porcine interleukin-22/beta defensin 2 fusion protein
CN 117778334 A 20240329	China Animal Husbandry Ind Co Ltd	China	Recombinant porcine pseudorabies virus strain for expressing hog cholera virus E2 protein as well as preparation method and application of recombinant porcine pseudorabies virus strain
CN 117965456 A 20240503	Lanzhou Veterinary Res Inst China Agric	China	New hybridoma cell line secreting monoclonal antibodies used in preparation of kit and medicine for diagnosing porcine delta-coronavirus infection and preventing and/or treating porcine delta-coronavirus infection and screening or verification of clinical targets



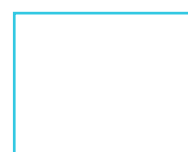
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117904145 A 20240419	Jilin Zhengye Biological Prod Co Ltd	China	New infectious complementary DNA clone of NADC30 porcine reproductive and respiratory syndrome virus recombinant strain comprising defined sequence of nucleobases, useful for preparing porcine reproductive and respiratory syndrome vaccine
CN 117946258 A 20240430	Harbin Veterinary Res Inst Caas	China	New hybridoma cell useful in screening or characterizing African swine fever virus antibody
WO 2024085686 A1 20240425	Iac In Nat Univ Chungnam	South Korea	New recombinant protein comprising P12A protein derived from foot and mouth disease virus capsid and fragment crystallizable region of porcine immunoglobulin, used for preventing or treating foot and mouth disease virus infectious disease
WO 2024102923 A1 20240516	Centivax Inc	USA	Vaccine composition used to prevent influenza, comprises RNAs that collectively encode for six homologous distinct antigen components, and viral-like particles that collectively display six homologous distinct antigen components
CN 117802032 A 20240402	The Spirit Jinyu Biological Pharmaceutical Co Ltd	China	Full-suspension serum-free ST cell used in culturing porcine delta coronavirus for preparing porcine delta coronavirus vaccine
CN 117903262 A 20240419	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	Preparation, epitope identification and application of porcine reproductive and respiratory syndrome virus Nsp7 monoclonal antibody
CN 117965568 A 20240503	Univ Yangzhou	China	New gene encoding African swine fever virus (ASFV) protein MGF 505-3R comprising specific base pair sequence used in preparation of anti-inflammatory drug and in preparation of drug that inhibit activation of transcription factor proteins



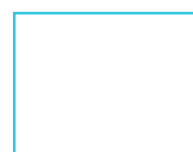
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117838837 A 20240409	Nanyang Normal Univ	China	Method for inhibiting porcine coronavirus in-vitro infection by IFN-delta8 and application of IFN-delta8
CN 117866057 A 20240412	Lanzhou Veterinary Res Institute Chinese Academy Of Agriculture Sciences	China	Classical swine fever virus E2 protein self-assembled nanoparticle vaccine as well as preparation method and application thereof
CN 117886906 A 20240416	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	New antigenic epitope of classical swine fever virus Erns protein comprises amino acid sequence of 113-146 peptide segment, used in antibody or antigen-binding fragment, preparation of swine fever virus epitope vaccine antigen and diagnostic reagent antigen for detection of swine fever virus
CN 117964778 A 20240503	Lanzhou Veterinary Res Inst China Agric	China	African swine fever virus P14.5 protein nanoparticle for preparing anti-African swine fever virus-specific antibodies, drugs to prevent diseases caused by African swine fever virus, are formed by self-assembly of protein monomers obtained by connecting virus protein and skeleton protein
CN 117659135 A 20240308	Univ Henan Agricultural	China	Antigen epitope peptide of African swine fever virus pB125R protein, monoclonal antibody and application of antigen epitope peptide and monoclonal antibody
CN 117904072 A 20240419	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	Preparation and application of antigen epitope and antibody of porcine reproductive and respiratory syndrome virus helicase
CN 117925858 A 20240426	South China Agricultural Univ	China	Application of SNAP29 in porcine reproductive and respiratory syndrome resistance identification, breeding or preparation of medicine for preventing and treating diseases



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117965585 A 20240503	Harbin Veterinary Res Inst Caas Harbin Weike Biotechnology Co Ltd	China	Preparing porcine Circovirus type 2d adjuvant chimeric virus-like particle vaccine, involves optimizing open reading frame 2 gene sequence of porcine Circovirus type 2d in preparation of virus-like particle vaccine and adding molecular adjuvant C3d specific epitope gene at its N end
CN 117903298 A 20240419	Henan Agricultural Univ	China	Porcine parvovirus 7 type Cap protein monoclonal antibody as well as preparation method and application thereof
US 2024148802 A1 20240509	Purina Animal Nutrition Llc	USA	Mitigating pathogenic infection, where pathogenic infection comprises porcine reproductive respiratory syndrome virus infection, Streptococcus suis infection, comprises admixing mitigant composition with base feed to form mitigant feed mixture, which comprises medium chain fatty acid composition
CN 117802023 A 20240402	Huaiyin Institute Of Tech	China	Recombinant bacillus amyloliquefaciens for expressing key antigen of African swine fever through stable fusion of two spore proteins as well as construction method and application of recombinant bacillus amyloliquefaciens
	Jiangsu Acad Of Agricultural Sciences		
CN 117843732 A 20240409	Henan Agricultural Univ	China	Linear B cell epitope related to African swine fever virus p30 protein and application of linear B cell epitope
CN 117860880 A 20240412	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	RdRp-dependent African swine fever taRNA vaccine as well as construction method and application thereof
CN 117924520 A 20240426	Univ Hebei Agric	China	New recombinant porcine alpha and gamma interferon fusion protein comprising recombinant porcine alpha interferon, flexible connector, and recombinant porcine gamma interferon, used in preparing antiviral drugs



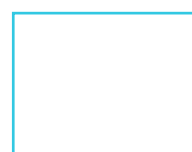
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117947057 A 20240430	China Inst Veterinary Drug Control	China	Messenger-ribonucleic acid useful in preparing medicine for preventing swine fever, in DNA molecule encoding messenger-ribonucleic acid, protein and messenger-ribonucleic acid medicine, comprises open reading frame encodes an envelope glycoprotein
CN 117883560 A 20240416	Huazhong Agricultural Univ	China	Actinobacillus pleuropneumoniae inactivated subunit combined vaccine and application thereof
CN 117866930 A 20240412	Jiangsu Acad Of Agricultural Sciences	China	New Salmonella phage lyase Lys52 useful for e.g. lysing Salmonella, preparing anti-Salmonella infection medicine combination and preventing and controlling Salmonella in livestock and poultry and Salmonella contamination in food
CN 117802024 A 20240402	Huaiyin Institute Of Tech	China	Recombinant bacillus subtilis fused by three spore proteins and capable of stably displaying three key antigens of porcine diarrhea virus as well as construction method and application of recombinant bacillus subtilis
	Jiangsu Acad Of Agricultural Sciences		
CN 117815376 A 20240405	Lanzhou Veterinary Res Institute Chinese Academy Of Agriculture Sciences	China	Foot and mouth disease dendritic cell vaccine useful for preventing pig foot and mouth disease, is loaded with inactivated foot and mouth disease virus antigen
CN 117886952 A 20240416	Sichuan Animal Husbandry Station	China	New antigenic epitope fusion protein containing swine fever virus, porcine Circovirus, and porcine reproductive and respiratory syndrome virus used in preparing reagent for detecting swine fever virus, porcine Circovirus and porcine reproductive and respiratory syndrome virus in pig semen
	Southwest Univ		



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117731766 A 20240322	Inst Animal Science & Veterinary Medicine Shandong Aas	China	Preparation method and application of porcine circovirus II type nano vaccine based on metal organic framework
CN 117701509 A 20240315	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	African swine fever virus passage attenuated strain and vaccine based on strain
WO 2024073766 A2 20240404	Univ Kansas State	USA	Composition used to reduce incidence of, severity of, or transmissibility of African swine fever virus (ASFV) comprises ASFV protein, and carrier includes e.g. solvent, dispersion media, coating, stabilizing agent, diluent and preservative
NL 2031433 B1 20231020	Sichuan Xinxingao Biotechnology Co Ltd	China	Constructing recombinant pseudorabies virus (PRV) strain useful for preparing vaccine against African swine fever, by inserting CP204L gene fragment into enhanced green fluorescent protein plasmid (pEGFP)-gIZBK plasmid, and transfecting plasmid into 293T cell
	Univ Sichuan Agricultural		
CN 117982535 A 20240507	Shijiazhuang Luanxiang Biotechnology Co Ltd	China	Composition used for treating and preventing parasites in animals including pigs, cattle, chickens or rabbits and killing parasites including Coccidia, comprises 4-chloro-3-methylphenol, benzyl chlorophenol and phosphoric acid
CN 118050508 A 20240517	Univ Yulin Nuoweilihua Guangdong Biotechnology Co	China	Porcine epidemic diarrhea virus (PEDV) blocking enzyme-linked immunosorbent assay antibody detection kit used for detecting PEDV antibody, comprises pre-coated microplate and enzyme-labeled antibody, where pre-coated microplate is coated with purified PEDV-KB2013-4 strain virus



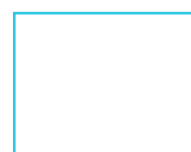
Número de publicación	Solicitante	País de origen	Contenido técnico
<p>CN 117683124 A 20240312</p>	<p>Inst Of Urban Agriculture Chinese Academy Of Agricultural Sciences</p>	<p>China</p>	<p>New porcine epidemic diarrhea virus N protein monoclonal antibody used in preparing product for treating porcine epidemic diarrhea virus infection, where heavy chain variable region and light chain variable region of monoclonal antibody has complementarity determining region-1 (CDR1), CDR2 and CDR3</p>
	<p>Lanzhou Veterinary Res Inst Caas</p>		
<p>CN 117802118 A 20240402</p>	<p>Sichuan Agricultural Univ</p>	<p>China</p>	<p>Preparation and application of PEDV (Porcine Epidemic Diarrhea Virus) recombinant adeno -associated virus vector vaccine</p>



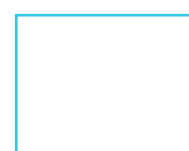
VT Avicultura



Número de publicación	Solicitante	País de origen	Contenido técnico
LU 502072 B1 20231204	Zhejiang Acad Agricultural Sci	China	Preparation method of Clostridium butyricum compound microbial agent
ZA 202301474 B 20230531	Univ Liaocheng	China	Vaccine useful in vaccine composition for preparing drug for preventing fowl adenovirus infection or hydropericardium syndrome in poultry e.g. chickens and ducks, comprises immune amount of antigen of fowl adenovirus 4 strain or its culture
DE 1692498 A1 19720105	Takeda Chemical Industries Ltd	Germany	Anti-coccidiosis mixtures containing thiazolium
CN 118155862 A 20240607	Univ Jilin	China	Emergency treatment system for treating Swine influenza based on hierarchical early warning algorithm for prevention and control of infectious disease such as influenza virus, human influenza virus and avian influenza virus.
WO 2024115111 A1 20240606	Dsm Ip Assets Bv	Netherlands	Composition used for modulating growth of microorganisms in gastrointestinal tract of animals, improving gut health of animals, treating, ameliorating and/or preventing post-weaning diarrhea, comprises benzoic acid and organic acid or salt
WO 2024126742 A1 20240620	Univ Tours	France	Use of aconitate or its salt for treatment of a viral lung infection and/or of adverse immune response to a viral lung infection
	Inst Nat Sante Rech Med		
	Chru De Tours		



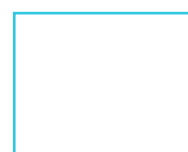
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118136273 A 20240604	Univ Jilin	China	Threshold theory based bird and poultry influenza monitoring and early warning method, involves dynamically adjusting epidemic prevention measures according to different risk levels, and adding new monitoring objects for daily monitoring after avian influenza epidemic risk is lifted
WO 2024063700 A1 20240328	Loh Yin Sze	Singapore	Use of oral formulation comprising diaminophenothiazine compound and mucoadhesive gastro-retentive platform for preventing or treating disease e.g. avian wasting disease e.g. avian megalobacteriosis and parrot beak and feather disease
CN 118085073 A 20240528	Univ Shanxi Agric	China	New Clostridium perfringens epsilon toxin nanobody comprising 2H2 or 2G8 with specific amino acid sequence used in preparation of product for detecting Clostridium perfringens epsilon toxin and detecting diseases related to Clostridium perfringens epsilon toxin including enterotoxemia
US 2024145091 A1 20240502	Nat Inst Biomedical Innovation Health & Nutrition	Japan	Modulating amount of virus to treat or prevent virus infection e.g. coronavirus infection disease, epidemic parotitis, chicken pox, shingles, measles, oral herpes, influenza, hepatitis B and smallpox, involves administering agent for controlling indicator associated with D-amino acid in subject
	Kagami Inc		
CN 118028430 A 20240514	Univ Yangzhou	China	Screening infectious bursal disease virus invasive metabolic remodelling microRNA used in preparing medicine for treating metabolic disturbance disease caused by IBDV, involves respectively processing chicken macrophage cells, setting blank control group, and IBDV virus attacking group



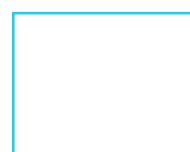
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024077025 A1 20240411	Zoetis Services Llc	USA	Protecting offspring of hen against infectious bronchitis virus infection comprises administering vaccine comprising an antigen component and the adjuvant component to the hen
CN 118048317 A 20240517	Qingdao Runda Biological Technology Co	China	New bacteriophage RKP-PA-22002 as Pseudomonas aeruginosa bacteriophage, for cross-breeding and lysing Pseudomonas aeruginosa and Salmonella, for preparing drugs against diseases caused by Pseudomonas aeruginosa or Salmonella, biological preparation for inhibiting Pseudomonas aeruginosa or Salmonella
CN 118084657 A 20240528	Univ Sichuan	China	Acidulant used for inhibiting pathogenic bacteria, preferably Escherichia coli, Staphylococcus aureus, and Salmonella, in poultry and livestock, is obtained by reacting rare earth salt and small molecule organic acid, preferably lactic acid, acetic acid, or butyric acid
CN 118027159 A 20240514	Univ Yangzhou	China	New H9 subtype avian influenza virus HA1 protein broad-spectrum B cell epitope peptide having specific amino acid sequence, used in preparation of medicine and vaccine for preventing and treating H9 subtype avian influenza virus infection and inhibiting detoxification of larynx and cloaca
WO 2024118234 A2 20240606	Univ Connecticut	USA	Mycoplasma gallisepticum subunit vaccine used to protect birds from natural progression comprises e.g. recombinant gallisepticum adhesion protein A antigen, and recombinant cytoadhesin-related molecule A protein antigen



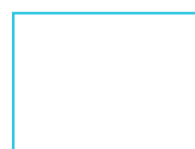
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118006561 A 20240510	Ruikemeng Qingdao Biological Eng Co Ltd	China	New high lysis rate Campylobacter jejuni phage RDP-CJ-22002 used in preparing medicine and feed for preventing and treating diseases caused by Campylobacter jejuni infection
CN 118006564 A 20240510	Wuhan Grenon Biotechnology Co Ltd	China	New isolated Riemerella anatipestifer phage GRAP2307002 for preparing Riemerella anatipestifer and Salmonella bacteriostatic agent, and for preparing medicine for treating or preventing Riemerella anatipestifer or Salmonella infection, and for preparing Riemerella anatipestifer vaccine
CN 118028366 A 20240514	Univ Hebei Agric	China	Preparing H5N8 subtype avian influenza pseudovirus used in medicinal composition to prevent avian influenza virus infection, by e.g. making envelope protein expression plasmid and framework plasmid carrying luciferase reporter gene co-transfect cell, culturing, and separating pseudovirus
CN 117752659 A 20240326	Univ Jilin	China	Application of nicotinic acid to preparation of medicine for relieving pullorum disease of chicks through GPR109A receptor
CN 117987335 A 20240507	Univ Nantong	China	New avian pathogenic Escherichia coli sRNA CE041 delta s053 gene deletion strain useful for preparing subunit vaccine, and preventing avian pathogenic Escherichia coli infection
CN 118048275 A 20240517	Shandong Bilan Biological Technology Co	China	New Bacillus subtilis is preserved in China Center for Type Culture Collection, used in microbial inoculum and preparing products for production of xylanase, fructosyltransferase, protease, amylase, cellulase and phytase, and inhibiting intestinal pathogenic bacteria of livestock and poultry



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118048323 A 20240517	Univ Yangzhou	China	New recombinant serum type 4 avian adenovirus for expressing H10N3 avian influenza virus HA protein, based on clustered regularly interspaced short palindromic repeats-Cas9 technology for expressing H10N3 avian influenza virus hemagglutinin protein
CN 117683125 A 20240312	Univ South China Agricult	China	Anti-H7 subtype avian influenza nano antibody D67 and application thereof
CN 117720649 A 20240319	Fujian Shengwei Biotechnology Co Ltd	China	Nano antibody for resisting H9 subtype avian influenza virus as well as expression engineering strain and preparation method thereof
CN 117757758 A 20240326	Inst Animal Husbandry & Veterinary Fujian Academy Of Agricultural Sciences	China	New naturally attenuated strain of infectious laryngotracheitis virus ILTV FJ19, used in preparation of live vaccine, preferably natural attenuated live vaccine for preventing infectious laryngotracheitis, such as chicken infectious laryngotracheitis
CN 117777285 A 20240329	Shanxi Nanolattix Biotechnology Co Ltd	China	Nanometer antibody of targeted pancreatic polypeptide, coding sequence and application of nanometer antibody
CN 118028252 A 20240514	Harbin Veterinary Res Inst Caas	China	New recombinant chicken Marek's disease virus vaccine strain expressing Chicken infectious anemia virus VP1 and VP2 genes, useful in preparing vaccine for preventing diseases caused by Chicken infectious anemia virus
CN 117866070 A 20240412	Poultry Institute Shandong Academy Of Agricultural Science Shandong Specific Pathogen Free Chicks Re	China	New caspase recruitment domain-containing protein 11 mutant useful for e.g. preparing anti-Newcastle disease virus medicine or vaccine and biochip for detecting electrical and optical signals of substance e.g. nucleic acids and proteins



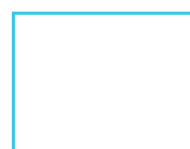
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117887671 A 20240416	Wuhan Geruinong Biotechnology Co Ltd	China	New isolated Escherichia coli bacteriophage GDCP2 used in preparing Escherichia coli and/or Salmonella inhibitor, in preparing medicine for treating or preventing diseases caused by infection of Escherichia coli and/or Salmonella
CN 117883428 A 20240416	Sichuan Tequ Agriculture And Animal Husbandry Tech Group Co Ltd	China	Use of gallic acid for preparing medicine for preventing chicken necrotic enteritis, which is caused by combined infection of coccidia and Clostridium perfringens, improving immunity of chicken, and immunity index of spleen and bursa of Fabricius, and reducing intestinal pathological damage
	Xinjin Bangde Tech Co Ltd		
CN 118059226 A 20240524	Univ Southwest Minzu	China	New water-soluble animal vaccine comprising water-soluble polymer adjuvant comprising Pluronic, polylactic-co-glycolic acid copolymer and polycaprolactone, and antigen, for preventing infectious bursal disease in chickens, bovine viral diarrhea, bovine sheep pox disease or porcine epidemic diarrhea
WO 2024105245 A1 20240523	Ceva Sante Animale	France	New recombinant Marek's disease virus comprising inserted into insertion site, and recombinant nucleotide sequence encoding antigen used to vaccinate avian e.g. poultry, preferably chicken, against avian pathogen
CN 117683732 A 20240312	China Animal Health And Epidemiology Center	China	Avian influenza virus strain and application thereof as well as H3 subtype avian influenza inactivated vaccine and preparation method thereof
CN 117701511 A 20240315	Tecon Biopharmaceutical Co Ltd	China	H9 subtype avian influenza virus isolate, vaccine composition prepared from H9 subtype avian influenza virus isolate and application of H9 subtype avian influenza virus isolate
CN 117756896 A 20240326	Univ Yangzhou	China	Newcastle disease virus NP mutant protein as well as coding gene and application thereof



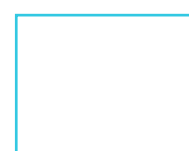
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117844743 A 20240409	Zhejiang Dingchi Biological Products Co Ltd	China	New serum-free full-suspension cultured DF1 cell used in culturing vaccine virus, e.g. chicken infectious bursal disease virus, chicken Newcastle disease virus and chicken bird flu virus, and in producing whole virus vaccine e.g. chicken infectious bursal disease virus vaccine
	Beijing Dingchi Biotechnology Co Ltd		
CN 117679443 A 20240312	Dingzheng Xinxing Biotechnology Tianjin Co Ltd	China	Biological preparation used for improving chicken coccidiosis, is prepared by culturing Lelliottia amnigena DZ04001
CN 117695230 A 20240315	Zhejiang Esigma Biotechnology Co Ltd	China	Quality-stable and synergistic nicarbazine dry suspension used for preventing and treating coccidiosis, comprises nicarbazine, gelatin, polyethylene glycol, sorbitol olive oil ester, hydrogenated lecithin, soy protein isolate, transglutaminase, sorbitol, and vegetable oil
CN 117757756 A 20240326	Tecon Biopharmaceutical Co Ltd	China	Avian adenovirus SD70 strain and application thereof, and vaccine for poultry
WO 2024098498 A1 20240516	Shenzhen Inst Adv Tech	China	Isolated mRNA composition useful in preparation of medicine to prevent and treat H7N9 virus infection disease, comprises e.g. mRNA encoding heavy chain of monoclonal antibody and mRNA encoding light chain of monoclonal antibody against H7N9
CN 118006636 A 20240510	Univ Yangzhou	China	New chicken Clostridium perfringens myelin basic protein gene used in preparation of vaccine for preventing poultry necrotizing enteritis
CN 118064480 A 20240524	Univ Yangzhou	China	Chicken coccidiosis gametophyte antigen recombinant vector, useful for preparing product for preventing chicken coccidiosis, and improving chick serum antibody obtained by connecting optimized Eimeria toxicus gametocyte antigen gene Engam59 with eukaryotic expression vector pVAX1



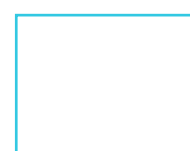
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117695252 A 20240315	Zhejiang Esigma Biotechnology Co Ltd	China	Preparation of microencapsulated nicarbazin sustained-release preparation used for preventing and treating chicken coccidiosis, involves mixing premix prepared using glycerin and nicarbazin with premix prepared
CN 117736923 A 20240322	Univ Shihezi	China	New chicken-derived Lactobacillus salivarius comprising specific nucleotide sequence, used for preparing drugs that have inhibitory effects on Escherichia coli, Salmonella, or/and Staphylococcus aureus
CN 117887648 A 20240416	Shandong Baolai Leelai Bio Tech Co Ltd	China	Recombinant lactic acid bacteria composition for expressing H9N2 subtype avian influenza virus antigen protein and application of recombinant lactic acid bacteria composition
CN 118006691 A 20240510	Univ Guangxi	China	Avian infectious bronchitis virus multi-epitope chimeric virus-like particle vaccine for use in preparation of drugs for treatment of avian infectious bronchitis, is prepared by transforming DH10Bac E. coli competent cells, preparing virus-like particles, using e.g. Western blot for identification
CN 117778434 A 20240329	Univ Yangzhou	China	Preparing recombinant antibacterial peptide fused with antibacterial peptide LL-37 used in preparing formulation for inhibiting Campylobacter jejuni in poultry, involves adopting antibacterial peptide LL-37 and maltose binding protein for fusion expression
CN 117736919 A 20240322	Univ Qingdao Agricultural	China	Lactobacillus plantarum fermented for preventing and treating avian colibacillosis and application thereof



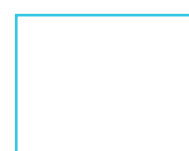
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024098491 A1 20240516	Shenzhen Inst Adv Tech	China	Isolated mRNA composition useful in preparing medicine for treating avian influenza A subtype (H7N9) virus infectious diseases, comprises e.g. mRNA including heavy chain and light chain of monoclonal antibody encoding H7N9
KR 20240072371 A 20240524	Republic Korea Animal & Plant Quarantine Agency	South Korea	H5N1 Recombinant H5N1 Avian Influenza A Virus and Highly Pathogenic Avian Influenza Vaccine and Manufacturing Method Using the Same
CN 117683126 A 20240312	Univ South China Agricult	China	New anti-H5 subtype avian influenza virus nanobody protein comprising complementarity determining regions (CDR) comprising CDR1, CDR2, and CDR3, used for preparing anti-H5 subtype avian influenza virus medicine and preparing diagnostic kit for H5 subtype avian influenza
CN 117919247 A 20240426	Univ Jinan Guangdong	China	Use of 3-[[6-(2-methoxyphenyl)-4-pyrimidinyl]amino]
CN 117925536 A 20240426	Qingdao Runda Biological Technology Co	China	New Clostridium perfringens bacteriophage with cross-genus lytic ability as RDP-CP23044, deposited under China General Microbiological Culture Collection Center, for use in preparation of biological products e.g. feed additives for treating diseases caused by Clostridium perfringens and Salmonella
CN 117904058 A 20240419	Univ Henan Agric	China	New Salmonella phage vB SaIM-Sz used for preparing Salmonella sterilization agent, and preparing Salmonella sterilization medicine for preventing or treating Salmonella infection in animal farming and inhibiting Salmonella contamination in food production, where animal farming is chicken farming



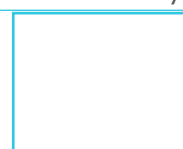
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117946928 A 20240430	Univ Ningxia	China	New Mycoplasma synoviae used as antigen of attenuated vaccine to prepare attenuated Mycoplasma synoviae vaccine for prevent chickens infected with synovial mycoplasmosis from infected chickens
CN 117924515 A 20240426	Univ Sichuan	China	Double-target recombinant antigen used in preparing double-target recombinant antibody, comprises bovine Streptococcus and bovine Coccidiosis, apical membrane antigen 1 or immunolocalization protein 1 of coccidiosis, and rod-shaped determinant protein of Streptococcus
	Tibet Agric & Animal Husbandry College		
CN 117942343 A 20240430	Univ Jinan Guangdong	China	Application of (Z) -N-(3-((5-chloro-4-(1H-indol-3-yl)pyrimidin-2-yl)amino) phenyl)-3-(Z)-((E)-4-(dimethylamino)-1-hydroxybut-2-en-1-ylidene)amino)benzimidic acid (THZ2) for preparing anti-influenza virus medicine and avoiding or reducing infection rate of influenza virus
CN 117959304 A 20240503	Univ Jinan Guangdong	China	Use of CVT-313 in preparation of anti-influenza virus drugs and e.g. for avoiding or reducing infection rate of influenza virus, and inhibiting influenza virus growth, influenza virus proliferation, synthesis of influenza virus RNA and influenza virus nucleoprotein synthesis
CN 117778471 A 20240329	Univ South China Agricult	China	Recombinant Newcastle disease virus vector capable of overcoming influence of Newcastle disease maternal antibody and application
	Zhongshan Innovation Center South China Agricultural Univ		



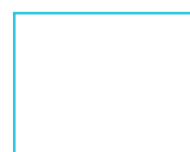
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117964718 A 20240503	Univ Yangzhou	China	New H9 subtype avian influenza virus based hemagglutinin 1 protein T cell epitope polypeptide having specific amino acid sequence used in preparing detection reagent or kit for detecting H9 subtype avian influenza virus infection or H9 subtype avian influenza virus antibody
WO 2024086846 A1 20240425	Univ Florida	USA	Immunogenic composition used to immunize avian animal against Campylobacter hepaticus comprise peptides sequence and adjuvant
WO 2024107677 A1 20240523	Elanco Us Inc	USA	Composition useful in vaccine for inducing immune response in non-human animal comprises first antigen i.e., inactivated Salmonella typhimurium antigen and second antigen i.e., inactivated Salmonella Kentucky antigen
CN 117837555 A 20240409	Foshan Univ	China	Constructing broiler chicken enterobacterial diarrhea model, which is used in drug screening for treating broiler chicken diarrhea, by infecting broilers with bacterial liquid of Escherichia coli O157:H7 by rectal instillation
CN 117659183 A 20240308	Univ South China Agricult	China	Anti-H5 subtype avian influenza nano antibody protein and application thereof
CN 117964780 A 20240503	Univ Yangzhou	China	New H9N2 subtype avian influenza virus hemagglutinin recombinant protein used for e.g. detecting avian influenza virus infection, obtained by adding HA1 and HA6 with SnoopTagjr and DogTag and coupling HA1-SnoopTagjr and DogTag-HA6
CN 117919213 A 20240426	Caas Lanzhou Husbandry & Pharm Sci Inst	China	Use of N,2-dihydroxy benzamide for preparing medicine for preventing and treating chicken coccidiosis including Eimeria maxima coccidiosis



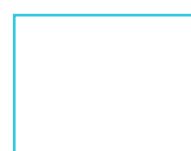
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117886930 A 20240416	Agricultural Univ Of Hebei	China	New antibody or its antigen-binding fragment capable of targeted binding to hemagglutinin of H5 subtype avian influenza virus comprising heavy chain variable region and light chain variable region, used for preparing medicine for preventing, treating or detecting avian influenza virus infection
CN 117843767 A 20240409	Northeast Agricultural Univ	China	New single chain fragment variable-14 antibody used for detecting chicken infectious bursal disease virus, assisting in identifying chicken infectious bursal disease virus, and preventing and/or treating infectious bursal disease in chickens
CN 117886901 A 20240416	Yangzhou Univ	China	Chicken T cell antigen epitope peptide of H7N9 subtype avian influenza virus HA protein and application of chicken T cell antigen epitope peptide
CN 117814369 A 20240405	Shanxi Agricultural Univ	China	Use of resveratrol in preparing feed additive for resisting or treating chicken coccidiosis, where chicken coccidiosis is caused by Eimeria tenella
CN 117925487 A 20240426	Beijing Baoyi Biotechnology Co Ltd	China	New recombinant Escherichia coli BYSW used in preparing duck interleukin-2 protein as immune enhancer for duck Tembusu virus vaccine, preparing antiviral formulation, and in inactivated vaccine, live vaccine and subunit vaccine for poultry
	Beijing Yinong Biotechnology Co Ltd		
	Hebei Baoying Biotechnology Co Ltd		
CN 117802066 A 20240402	Shanghai Veterinary Res Institute Chinese Academy Of Agricultural Sciences China Center For Animal H	China	Protein for reducing pathogenicity of chicken coccidiosis and improving drug resistance of maduramycin, coccidiosis model and application thereof
CN 117825704 A 20240405	Yangzhou Univ	China	Competitive ELISA method for detecting duck type 3 adenovirus antibody based on Fiber-2 protein and anti-Fiber-2 protein monoclonal antibody



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CN 117660502 A 20240308	Univ Guizhou	China	Chicken mycoplasma synoviae fusion gene, recombinant adenovirus and application thereof
CN 118086231 A 20240528	Tianjin Ringpu Biotechnology Co Ltd	China	New recombinant turkey herpesvirus rHVT-HA-VP2-gDgI used for preparing vaccine, comprises H9 subtype avian influenza virus HA gene expression cassette, chicken infectious bursal disease virus VP2 protein expression cassette, infectious laryngotracheitis virus gD and gI protein expression cassette
CN 117838696 A 20240409	Jinan Univ	China	Use of ruxolitinib for treating influenza virus infection, reducing infection rate, inhibiting growth and replication of influenza virus and improving survival rate of body infected by influenza virus including influenza A, influenza B virus and avian influenza virus
CN 117866930 A 20240412	Jiangsu Acad Of Agricultural Sciences	China	New Salmonella phage lyase Lys52 useful for e.g. lysing Salmonella, preparing anti-Salmonella infection medicine combination and preventing and controlling Salmonella in livestock and poultry and Salmonella contamination in food
CN 117838689 A 20240409	Jinan Univ	China	Use of peficitinib in preparing medicine for treating influenza virus infection, where influenza virus comprises influenza A and/or influenza B virus, preferably influenza A virus H1N1 subtype, H2N2 subtype, H3N2 subtype and avian influenza virus of all subtypes
CN 117757891 A 20240326	Weifang Huazhuo Biotechnology Co Ltd	China	Reverse screening method and application of functional probiotics for preventing H9 subtype avian influenza virus
	Weifang Huaying Biological Tech Co Ltd		
	Weifang Jiyin Biotechnology Co Ltd		
	Changle Animal Husbandry Dev Center		



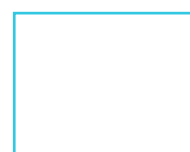
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117757892 A 20240326	Weifang Huazhuo Biotechnology Co Ltd	China	Reverse screening method and application of functional probiotics for preventing Newcastle disease virus
	Weifang Huaying Biological Tech Co Ltd		
	Weifang Jiyin Biotechnology Co Ltd		
	Changle Animal Husbandry Dev Center		
DE 1692498 U 19550203	Rettmeyer Karl	Germany	Anti-coccidiosis mixtures containing thiazolium
CN 117982535 A 20240507	Shijiazhuang Luanxiang Biotechnology Co Ltd	China	Composition used for treating and preventing parasites in animals including pigs, cattle, chickens or rabbits and killing parasites including Coccidia, comprises 4-chloro-3-methylphenol, benzyl chlorophenol and phosphoric acid
CN 117925537 A 20240426	Qingdao Runda Biological Technology Co	China	New Pseudomonas aeruginosa phage i.e. RKP-PA-22003 used for preparing bio-formulation for treating diseases caused by Pseudomonas aeruginosa and controlling Pseudomonas aeruginosa contamination in livestock and poultry breeding environment



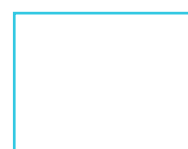
VT Acuicultura



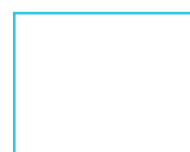
Número de publicación	Solicitante	País de origen	Contenido técnico
ZA 202300009 B 20230329	Yantai Tianyuan Aquaculture Co Ltd	China	Combined vaccination with fish vaccines by selecting turbot at fry stage, vaccinating with Edwardsiella tarda live attenuated vaccine strain and injecting turbot at juvenile stage with Vibrio anguillarum engineered live vaccine strain
	Univ East China Science & Tech		
	Shanghai Weizhong Biotechnology Co Ltd		
WO 2024129791 A1 20240620	Zoetis Services Llc	USA	Use of DNA vaccine comprising nucleic acid sequence encoding specific amino acid sequence for protecting salmonid against piscine myocarditis virus (PMCV) and other pathogen and treating cardiomyopathy syndrome (CMS)
CN 118028249 A 20240514	Ruikemeng Qingdao Biological Eng Co Ltd	China	New high temperature resistant Vibrio cholerae phage RDP-VC23062 used for preparing medicine, aquatic feed additives or environmental disinfectant for preventing or treating diseases caused by Vibrio cholerae infection
CN 118048317 A 20240517	Qingdao Runda Biological Technology Co	China	New bacteriophage RKP-PA-22002 as Pseudomonas aeruginosa bacteriophage, for cross-breeding and lysing Pseudomonas aeruginosa and Salmonella, for preparing drugs against diseases caused by Pseudomonas aeruginosa or Salmonella, biological preparation for inhibiting Pseudomonas aeruginosa or Salmonella



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118045139 A 20240517	Cafs Yellow Sea Fisheries Res Inst	China	The composition used in preparing medicine for blocking or treating bacterial vitrification of shrimp larvae and reducing death rate of shrimp larvae with bacterial vitrification (BVS), reducing the quantity of culturable bacteria and the quantity of vibrios in the hepatopancreas of the shrimp larvae.
WO 2024092124 A1 20240502	Can Tech Inc	USA	Reducing, preventing, or controlling non-copepod parasitic infection or infestation e.g. Amyloodinium ocellatum and Trichodina spp. in fish population by providing and administering fish feed comprising neem extract rich in azadirachtin A
CN 118086226 A 20240528	Wuhan Grenon Biotechnology Co Ltd	China	New parahaemolyticus phage VPP2312001 used in preparation of antibacterial agent for Vibrio parahaemolyticus, Vibrio alginolyticus and/or Vibrio vulnificus, drug for treating or preventing diseases caused by infection with Vibrio, and drug for food contamination caused by Vibrio
WO 2024092113 A1 20240502	Can Tech Inc	USA	Reducing, preventing or controlling parasitic infection or infestation e.g. copepod infection or infestation in fish population, by administering fish feed comprising pest control agent comprising neem extract rich in azadirachtin A, to fish
CN 118028248 A 20240514	Ruikemeng Qingdao Biological Eng Co Ltd	China	New high-lytic Vibrio harveyi phage used in preparing medicine, aquatic feed additive or environmental disinfectant for preventing or treating disease of Vibrio harveyi, Vibrio parahaemolyticus and Vibrio alginolyticus infection



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 118045120 A 20240517	Chinese Acad Fishery Sci Pearl River Fis	China	Use of star anise extract in preparation of inhibitors of carp herpesvirus type II and/or drugs for preventing or treating infection of carp herpes virus type II and/or drugs for preventing or treating viral hematopoietic organ necrosis in fish
	Univ Shanghai Ocean		
WO 2024092360 A1 20240510	Novobind Livestock Therapeutics Inc	Canada	New polypeptide having variable region fragment of heavy chain antibody specifically binds species of Vibrio or white spot syndrome virus for reducing or transmission or preventing fish or shellfish-associated bacterial or viral infection
CN 118109369 A 20240531	Univ China Ocean	China	New Bacillus subtilis subsp. inaquosorum useful in aquaculture, inhibiting pathogenic bacteria of aquatic animals, preparing products for inhibiting pathogenic bacteria of aquatic animals, improving growth performance of aquatic animals and improving immune level of aquatic animals
WO 2024076289 A1 20240411	National Science And Tech Development Agency	Thailand	Cultivating a crustacean comprises combining feed and non-genetically modified microorganism comprising Brevundimonas sp to create probiotic feed and feeding the crustacean with the probiotic feed
	Mitsui Chemicals Inc	Singapore	
CN 117883550 A 20240416	Guangzhou High Step Chemical It Co Ltd	China	Product for cleaning gills of fish and shrimp, comprises polyguanidine salt, cationic surfactant, anionic surfactant, volume-enhancing conditioner, bioactive peptides, and deionized water



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117959270 A 20240503	Univ Shanghai Ocean	China	Use of curcumin for preparing inhibitors of cyprinid herpesvirus II and/or drugs for preventing or treating cyprinid herpesvirus II infection and/or viral hematopoietic organ necrosis disease in fish, preferably crucian carp or goldfish, where curcumin is used as antiviral active ingredient
CN 117844673 A 20240409	Inst Of Oceanology & Marine Fisheries Jiangsu	China	New Bacillus subtilis JSHY-K3 used in preparing Vibrio parahaemolyticus antagonist, in aquaculture and in product for preventing and treating acute hepatopancreatic necrosis in prawn
CN 117837697 A 20240409	Shantou Univ	China	Use of nicotinamide in preparation of formulation that increases ability of crustaceans to resist Vibrio parahaemolyticus, promotes expression of antimicrobial peptide genes in blood cells, and promotes phagocytosis of Vibrio parahaemolyticus by blood cells
CN 117987375 A 20240507	Univ Guangxi	China	New hybridoma cell strain 1E5, used for preparing tilapia Streptococcus agalactiae serum detection reagent and for preparing tilapia Streptococcus agalactiae serum detection kit



VT Apicultura



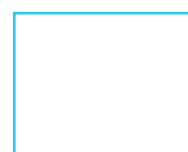
Número de publicación	Solicitante	País de origen	Contenido técnico
US 2024138418 A1 20240502	Greenlight Biosciences Inc	USA	Composition for improving stability of double-stranded RNA for controlling arthropod parasite of honeybees, comprises double-stranded RNA comprising sequence that is complementary or identical to contiguous nucleotides of Varroa destructor mRNA, carbohydrate, and food-grade preservatives
PL 441003 A1 20231023	Univ Marii Curie Sklodowskiej W Lublinie	Poland	New preparation isolated from biological material infected with pathogenic Nosema spp. spores useful for combating noserosis in honey bees
PL 441848 A1 20240129	Univ M Curie Sklodowskiej Univ Medyczny W Lublinie	Poland	Ethanol extract from Lasius fuliginosus ant nests for use in combating honey bee noserosis and method of obtaining it
WO 2024102088 A1 20240516	Istinye Ueniversitesi	Turkey	Antibacterial and antiparasitic solution used for preventing infection and parasite attachment in beehives, where parasite is Varroa mite, comprises essential oils of Origanum onites, Laurus nobilis and/or Lavandula angustifolia and at least one oil-based carrier agent
CN 117929706 A 20240426	Univ Chongqing Normal	China	New detection kit useful for detecting the sac larvae virus of Chinese honey bee, where difference of ceramide content in normal bee group and suspected ill bee group is detected to predict whether bee group is infected with Chinese honey bee sac brood virus



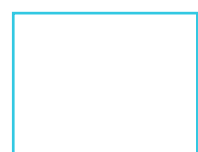


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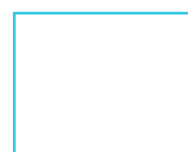
Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024115111 A1 20240606	Dsm Ip Assets Bv	Netherlands	Composition used for modulating growth of microorganisms in gastrointestinal tract of animals, improving gut health of animals, treating, ameliorating and/or preventing post-weaning diarrhea, comprises benzoic acid and organic acid or salt
CN 117843773 A 20240409	Harbin Veterinary Res Institute Caas Harbin Branch Of China Animal Health And Epidemiology Center	China	Whole-horse-source monoclonal antibody capable of neutralizing equine influenza virus and application of whole-horse-source monoclonal antibody
	Zhuhai Tainuo Maibo Pharmaceutical Co Ltd		
WO 2024100131 A1 20240516	Glaxosmithkline Ip Dev Ltd	United Kingdom	Use of composition comprising bacteria of Delftia genus and/or 1-methyl -9H-pyrido (3,4-b) indole for reducing or preventing transmission of vector borne disease and parasite, by introducing vector into contact with the composition
CN 118067992 A 20240524	Univ Hunan	China	Enzyme-linked immunosorbent assay kit based on camel-derived influenza A virus neuraminidase-specific nanoantibody pair used in detection of influenza A virus, comprises neuraminidase-specific nanoantibodies induced in alpacas by taking influenza A virus neuraminidase antigen and immunizing alpacas



Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024123830 A1 20240613	Enveda Therapeutics Inc	USA	Treating or preventing gut or abdominal pain, pruritus, atopic dermatitis, psoriasis, diabetic dermopathy, and diabetic peripheral neuropathy, in subject involves administering composition comprising nootkatone or its salt
WO 2024097158 A1 20240510	Ramirez Christina M	USA	The pharmaceutical composition is useful for treating herpesvirus infection i.e. Equine Herpesvirus (EHV), Gallid herpesvirus (GaAHV), or Bovine herpesvirus (BoAHV) infection, prophylaxis, or pre-exposure prophylaxis
WO 2024064653 A1 20240328	Dupont Nutrition Biosci Aps	Denmark	New non-naturally occurring variant lectin polypeptide or its functional comprising specified amino acid sequence comprising substitutions used for treating or preventing viral infection e.g. porcine reproductive and respiratory syndrome
	Danisco Us Inc	USA	
WO 2024108010 A1 20240523	Bayer Animal Health Gmbh	Germany	Preventing or treating pain, inflammation, osteoarthritis or degenerative joint disease (DJD) in mammal involves administering interleukin 1 receptor associated kinase 4 (IRAK4) inhibitor or composition comprising IRAK4 inhibitor
	Elanco Animal Health Incorporated	USA	
WO 2024097949 A1 20240510	Rejuvenate Bio	USA	New polynucleotide comprising transgene operably linked to a ligand responsive ribozyme, comprises nucleic acid sequence having specified sequence used to e.g. treat lysosomal storage diseases
CN 117700537 A 20240315	Lanzhou Veterinary Res Inst Caas	China	New monoclonal antibody to VP7 protein of African horse sickness virus for use in preparation of reagent, or test strip, or kit for in vitro enzyme-linked immunosorbent assay detection of African horse sickness virus for purpose of non-disease diagnosis



Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024118610 A2 20240606	Siren Biotechnology Inc	USA	New viral vector useful for treating cancer e.g. glioblastoma, comprises nucleic acid comprising first polynucleotide comprising minigene having splice modulator binding site 5' of second polynucleotide encoding interferon
CN 117815234 A 20240405	Liaocheng Univ	China	Use of cepharanthine containing cepharanthine compound in preparation of anti-equine herpesvirus type 8 medicine
WO 2024086592 A2 20240425	Emory University	USA	New substituted tetrahydropyridin compounds useful for treating or preventing viral infection including e.g. Eastern equine encephalitis virus, Western equine encephalitis virus, Venezuelan equine encephalitis virus
US 2024101660 A1 20240328	Elanco Us Inc	USA	Pharmaceutical composition for treating Interleukin-31-induced conditions in companion animals such as canines, e.g. atopic dermatitis, comprises anti-Interleukin-31 antibody and carrier, where antibody comprises heavy and light chain complementarity-determining regions comprising amino acid



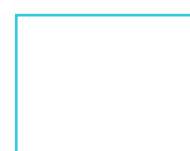
VT Mascotas



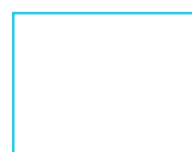
Número de publicación	Solicitante	País de origen	Contenido técnico
TR 2022010092 A2 20220921	Serhat Yalcin	Turkey	Disinfectant used e.g. used to repel lice, fleas, ticks and parasites for pets, comprises permethrin, chemical solution having tetramethrin and piperonyl butoxide as carrier material, emulsifier and solvent
US 2024101660 A1 20240328	Elanco Us Inc	USA	Pharmaceutical composition for treating Interleukin-31-induced conditions in companion animals such as canines, e.g. atopic dermatitis, comprises anti-Interleukin-31 antibody and carrier, where antibody comprises heavy and light chain complementarity-determining regions comprising amino acid
WO 2024121203 A1 20240613	Intervet Int Bv	Netherlands	Use of vaccine in method of inducing immune response in canine against infectious canine hepatitis and/or infectious tracheobronchitis, where vaccine is first vaccine comprising canine adenovirus type 2 and immune response is protective immune response
	Intervet Inc	USA	



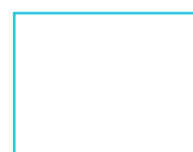
Número de publicación	Solicitante	País de origen	Contenido técnico
KR 20240073357 A 20240527	Republic Korea Man Rural Dev Admin	South Korea	New interferon-gamma pretreated exosome isolated from mesenchymal stem cells or their cultures pretreated with interferon-gamma used for preventing or treating skin diseases e.g. atopic dermatitis, contact dermatitis, and psoriasis
	Nat Univ Pusan Ind Univ Coop Found		
WO 2024077506 A1 20240418	Chu Lei	China	Composition useful e.g. as medicine to treat and prevent mast cell mediated inflammation diseases, comprises atovaquone
CN 117844764 A 20240409	Changchun Sr Biological Tech Co Ltd	China	Hybridoma cell strain secreting anti-rabies virus N protein monoclonal antibody and application thereof
US 2024166748 A1 20240523	Invetx Inc	USA	Treating atopic dermatitis, canine disease or disorder in dog, comprises administering to canine composition comprising polypeptide, where polypeptide comprises canine immunoglobulin G (IgG) Fc region variant, or its canine neonatal fragment crystallizable (Fc) receptor (FcRn)-binding region
WO 2024123824 A1 20240613	Enveda Therapeutics Inc	USA	Treating or preventing pruritus comprises administering composition comprising nootkatone, and composition has other components that are naturally occurring in nootkatone-containing source, and/or nootkatone has specified purity
CN 117821388 A 20240405	The First Affiliated Hospital Of Guangzhou Medical Univ Guangzhou Respiratory Center	China	Lung cancer cell strain derived from canine primary airway basal stem cells and application of lung cancer cell strain
	Guangzhou Inst Of Respiratory Health		
CN 117771196 A 20240329	Foshan Nanhai Eastern Along Pharmaceutical Co Ltd	China	Fluralaner tablet for preventing and treating flea and tick infection on animal body surface



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117721225 A 20240319	Univ Shandong	China	Application of intestinal flora metabolite in regulation and control of development of colon cancer by inhibiting ferroptosis
WO 202412597 A1 20240620	Providence Therapeutics Holdings Inc	Canada	New polynucleotide encoding structural protein of rabies virus useful in e.g. treating and/or preventing rabies, and inducing immune response including T- and/or B-cell responses
	Everest Medicines China Co Ltd	China	
	Everest Medicines Singapore Pte Ltd	Singapore	
CN 117924481 A 20240426	Maili Biotechnology Shanghai Co Ltd	China	New anti-canine interleukin-31 (IL-31) monoclonal antibody comprising three heavy chain complementarity-determining regions (CDRs) including CDR-H1, CDR-H2 and CDR-H3, and three light chain CDRs include CDR-L1, CDR-L2 and CDR-L3, used for treating IL-31 mediated related diseases in dogs
WO 2024119229 A1 20240613	Univ Melbourne	Australia	New polynucleotide construct used e.g. in immun contraceptive vaccine for reducing fertility of feline, comprises Felid alphaherpesvirus (FeHV)1 genome modified by insertion of specific sequences into non-coding region between FeHV-1 genes
WO 2024097949 A1 20240510	Rejuvenate Bio	USA	New polynucleotide comprising transgene operably linked to a ligand responsive ribozyme, comprises nucleic acid sequence having specified sequence used to e.g. treat lysosomal storage diseases
WO 2024118610 A2 20240606	Siren Biotechnology Inc	USA	New viral vector useful for treating cancer e.g. glioblastoma, comprises nucleic acid comprising first polynucleotide comprising minigene having splice modulator binding site 5' of second polynucleotide encoding interferon



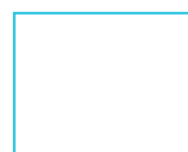
Número de publicación	Solicitante	País de origen	Contenido técnico
<p>WO 2024064784 A2 20240328</p>	<p>Rejuvenate Bio</p>	<p>USA</p>	<p>Treating mitral valve disease e.g. mitral valve stenosis in subject, by administering gene therapy comprising nucleic acid encoding soluble transforming growth factor beta receptor 2 and fibroblast growth factor 21 to subject. The subject is mammal, preferably canine.</p>
<p>WO 2024123830 A1 20240613</p>	<p>Enveda Therapeutics Inc</p>	<p>USA</p>	<p>Treating or preventing gut or abdominal pain, pruritus, atopic dermatitis, psoriasis, diabetic dermopathy, and diabetic peripheral neuropathy, in subject involves administering composition comprising nootkatone or its salt</p>



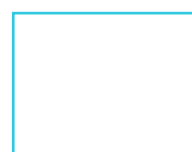
VTVarios



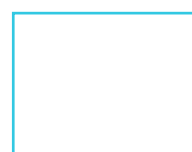
Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117778232 A 20240329	China Animal Husbandry Ind Co Ltd	China	New rabbit Pasteurella multocida Rpm SD2023 used for screening medicine for preventing or treating rabbit Pasteurella multocida, preparing vaccine for preventing rabbit Pasteurella multocida disease and used as research mode of rabbit Pasteurella multocida disease
WO 2024047155 A1 20240307	Dsm Ip Assets Bv	Netherlands	New host cell comprising e.g. polypeptide having specific sequences, and fragment of polypeptide capable of binding to starch used to improve balance of beneficial and deleterious bacteria in gastrointestinal tract of non-human mammal
WO 2024118959 A1 20240606	Chen Dalu	USA	Preventing and treating viral infections in animals, preferably African swine fever virus, where viral infection is chosen from Pseudorabies virus and Bluetongue virus, by inhibiting viral entry protein-to-cellular receptor interaction in animal, and preventing and treating viral infection in animal
	Malcolm Thomas		
CN 117982513 A 20240507	Chinese Acad Sci Zoology Inst Beijing Stem Cell & Regenerative Med Ins	China	Use of corticosteroids in preparing medicament for treatment of diseases associated with placental dysplasia in mammals, where placental dysplasia includes preeclampsia, threatened miscarriage, recurrent miscarriage and fetal hypoplasia and for promoting growth and maturation of placenta



Número de publicación	Solicitante	País de origen	Contenido técnico
CN 117860894 A 20240412	Suzhou Inst Of Systems Medicine	China	Use of inhibitor of targeted USP5 in preparing product for preventing and/or treating viral infections or diseases and/or conditions associated with viral infections, protecting host from virus infection, enhancing host's resistance to viral infection, and reducing tissue organ damage of host
WO 2024117983 A1 20240606	Chiang Mai Univ	Thailand	Test kit used e.g. for elephant herpesviral infection has test strip with antibody specific to elephant herpesvirus, and having nitrocellulose pad with control line, immobilized goat anti-rabbit antibody and test line with purified antibody
	Thailand Science Res And Innovation		
WO 2024092015 A1 20240502	Wisconsin Alumni Res Found	USA	Preparing population of hypoimmune mammalian stem cells used to treat neurological degeneration comprises providing population of isolated mammalian stem cells, and modifying expression of cell adhesion molecule in population of stem cells
CN 117942393 A 20240430	Chengdu Yisikang Biotechnology Co Ltd	China	Vaccine adjuvant used in preparing animal vaccine composition, blank W/O/W emulsion and medicine for preventing and/or treating diseases of livestock or pet animal, comprises a surfactant and an oil phase
CN 117731783 A 20240322	Univ Guizhou Medical	China	Application of calcium channel blocker in preparation of composition for reducing in-vivo respiratory syncytial virus activity of mammal
WO 2024124052 A1 20240613	Univ Jefferson	USA	Immunogenic composition used for treating, ameliorating, and preventing disease e.g. polysaccharide encapsulated bacterial infection, comprises antigenic molecules, surfactant, liposome adjuvant, and carrier



Número de publicación	Solicitante	País de origen	Contenido técnico
WO 2024102571 A1 20240516	Phycovax Inc	USA	Composition used to treat animal comprising shrimp, fish, poultry, swine, cattle, sheep or goats from infection, comprises specified nucleotide sequences
WO 2024059333 A1 20240321	Ohio State Innovation Foundation	USA	New N-phenyl-4-(pyridin-4-ylmethyl) piperazine-1-carboxamide compound used in pharmaceutical composition for treating or preventing infection with parasitic protozoa in subject
	Univ Kansas		
WO 2024050374 A2 20240307	Miralogx Llc	USA	New heterocyclic compound used in pharmaceutical composition for e.g. treating e.g. hyperammonemia, gastrointestinal disease or disorder, autoimmune disease, cancer, and disorder associated with chronic inflammation
WO 2024056028 A1 20240321	Shanghai Puyou Biochemical Co Ltd	China	New artificial polypeptide useful in formulation for treating or preventing pain, preferably acute pain, chronic pain and transitional pain
WO 2024086595 A2 20240425	Fred Hutchinson Cancer Center	USA	Providing ex vivo gene therapy by obtaining cell population comprising target cells, exposing cell population to target-cell enriching magnetic beads, contacting target cells with vector-magnetic bead complexes, and applying magnetic field to cells resulting in transduction of cells with vector
CN 117815377 A 20240405	Beijing Hemu Biological Tech Co Ltd	China	Use of messenger RNA as vaccine for preparing mammals for preventing and treating avian influenza infection, and used for immunizing mice, pigs, humans, horses, dogs, cats or mink, where mRNA contains defined number of nucleotide sequence
	South China Agricultural Univ		



Noticias



26 de abril. Día Mundial de la Propiedad Intelectual e Industrial

El 26 de abril es el Día Mundial de la Propiedad Intelectual e Industrial y un año más la Oficina Española de Patentes y Marcas, O.A. (OEPM) no quiso dejar pasar la ocasión de celebrarlo, junto al ministerio de Cultura. Bajo el lema “La Propiedad Intelectual y los Objetivos de Desarrollo Sostenible: nuestro futuro común se forja con innovación y creatividad” tuvo lugar un evento en el Museo Arqueológico Nacional (MAN).

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Convocadas las subvenciones para el fomento de solicitudes de patentes y modelos de utilidad españoles y en el exterior para 2024

La OEPM, con el fin de promover la protección fuera de nuestro país e impulsar la explotación de tecnología española y fomentar, en su caso, la transferencia de tecnología, publica desde hace ya varios años una convocatoria de subvenciones de solicitudes de patentes y modelos de utilidad españoles.

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Tratado sobre propiedad industrial, recursos genéticos y conocimientos tradicionales asociados

El 24 de mayo de 2024 los Estados miembros de la OMPI aprobaron un nuevo e innovador Tratado sobre propiedad industrial (PI), recursos genéticos y conocimientos tradicionales asociados.

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Sólo el 11% de las Pymes españolas tienen DPI registrado

Conscientes de que queda un largo recorrido por hacer con relación a que pequeñas y medianas empresas (pymes) y autónomos tomen conciencia de la importancia de proteger y defender sus derechos de propiedad industrial (DPI) de forma activa, recordamos en este número algunas de las claves a tener en cuenta.

[+ MÁS](#)



Congreso Internacional de Diseño

El diseño, como una forma de expresión creativa, implica dar a los productos o servicios una apariencia externa específica. En las economías más avanzadas, el diseño juega un papel crucial en términos económicos. Los consumidores valoran la estética de los objetos más allá de su utilidad práctica, especialmente en sectores como la moda, donde el aspecto visual es fundamental.

[+ MÁS](#)



Elisa Rodríguez. Nueva Directora de la OEPM

Desde el día 12 de junio la Oficina Española de Patentes y Marcas tiene una nueva directora: Elisa Rodríguez Ortiz.

[+ MÁS](#)



Entregados los Premios a la mejor Invención

El pasado 6 de junio tuvo la ceremonia de entrega de la III Edición de los Premios a la mejor Invención protegida mediante derechos de Propiedad Industrial. El acto se celebraba, como en ediciones anteriores, en los jardines de la Escuela de Organización Industrial (EOI), aunque lluvias inesperadas hicieron que se tuviera que trasladar la ceremonia al salón de actos.

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Día Mundial Antifalsificación 2024

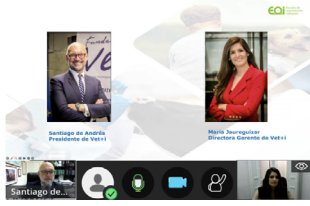
Las falsificaciones acaban con lo que más nos gusta. Este año el 12 de junio se ha celebrado el Día Mundial Antifalsificación (DMA). Todos los sectores y productos que están respaldados por una marca son susceptibles de ser objetivo de las mafias responsables de las falsificaciones. El sector del deporte en concreto, es uno en los que sus artículos siempre están en las listas de productos más falsificados.

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Noticias

Otro año más Vet+i participa en el Curso de Gestión Administrativa de la Propiedad Industrial

Desde Vet+i se presentaron las herramientas de propiedad industrial que la Fundación pone a disposición de todos los interesados en sanidad animal gracias a la colaboración de la OEPM.



+ MÁS

Celebrado con éxito el taller formativo presencial sobre Investigación en medicamentos veterinarios y otros estudios en sanidad animal

El taller contó con más de 90 expertos asistentes, entre los cuales destacaron expertos de la AEMPS, así como de empresas, grupos de investigación, y otros profesionales relacionados con los medicamentos veterinarios.



+ MÁS

Más de 200 expertos en sanidad animal se reúnen para explorar la ciencia del vínculo humano-animal en la XV Conferencia Anual de Vet+i

El evento giró en torno a los beneficios de este vínculo y reunió a expertos de diferentes ramas del sector, entre las que se encuentran el mundo empresarial, universitario, de investigación, clínico, farmacéutico, de producción y de comunicación, convirtiéndose un año más en el foro de referencia del sector.



+ MÁS

La comunicación en One Health destacada en la Conferencia Anual de las Plataformas Tecnológicas de Investigación Biomédica

Más de 150 asistentes se dieron cita en el evento anual interplataformas incluyendo al sector de la sanidad animal con representantes de la Administración, agencia reguladora, universidad y empresa, además de investigadores clínicos.



+ MÁS

Más de 70 profesionales se dan cita online en una masterclass sobre Inteligencia Artificial en el sector de la Sanidad Animal

Jesús Charlán, Máster de Big Data & Business Analytics y Profesor del Máster MADISAN, departió sobre la utilidad de esta nueva herramienta en el sector.



+ MÁS

El Consejo Gestor de Vet+i celebra con éxito su reunión número XXXIII

Durante la reunión se expusieron las distintas actividades, jornadas, eventos e iniciativas en las que ha participado Vet+i durante el primer semestre de 2024.



+ MÁS

Nuevas herramientas de financiación de CDTI y AEI para la I+D+i en Sanidad Animal

Más de 100 expertos del sector se dieron cita en el webinar organizado por Vet+i, con la colaboración del Centro para el Desarrollo Tecnológico y la Innovación (CDTI) y la Agencia Estatal de Investigación (AEI).



+ MÁS

Designado el trabajo ganador de la novena edición del premio Isabel Mínguez Tudela a la Innovación en Sanidad Animal

El trabajo ganador ha sido el titulado "Fortebióticos: una innovación con acción postbiótica que mejora la salud de perros y gatos" de la UCM.



+ MÁS



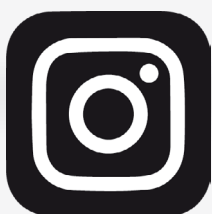
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