

中国畜牧兽医

3
2013

ZHONGGUO XUMU SHOUYI

CHINA ANIMAL HUSBANDRY & VETERINARY MEDICINE

第40卷 第3期

Vol. 40 No.3

华派®
HUAPAI

精华集团·华派生物

蓝经灵

猪繁殖与呼吸综合征病毒活疫苗
(经典蓝耳株 CH-1R)

兽药生字(2011)221011063
国兽药广审(文)J2011100112



- 疫苗纯净
- 安全不返强
- 品质稳定
- 免疫长保护

四川省华派生物制药有限公司

Sichuan Huapai Bio-pharmaceutical Co., LTD

地址：四川省简阳市工业集中区（石桥） 邮编：641401

电话：028—27400432 27282289 传真：028—27282488

ISSN 1671-7236



万方数据

主管：中华人民共和国农业部

主办：中国农业科学院北京畜牧兽医研究所

中国畜牧兽医

ZHONGGUO XUMU SHOUYI

第40卷 第3期 2013年3月

目 次

· 生 物 技 术 ·

- 水牛转录抑制因子 CTCF 基因克隆分析及不同组织中的表达研究 苏节, 朱鹏, 刘庆友, 等(1)
猪链球菌 2 型分解代谢控制蛋白 A 的克隆和原核表达 冉会玲, 郎需龙, 王兴龙, 等(7)
超高效液相色谱串联四级杆/飞行时间质谱仪鉴定喹塞多在鸡体内代谢研究 杨术鹏, 王莹, 李彦伸, 等(11)
小尾寒羊溶菌酶基因的克隆与差异表达分析 李闯, 徐云明, 唐峰, 等(19)
催乳复合物、胰岛素样生长因子-I 对奶牛乳腺上皮细胞中 AKT-1 和 mTOR 表达的作用 史琳琳, 赵锋, 高学军, 等(23)
13 个物种 BPI 基因编码区生物信息学分析 吴正常, 苏先敏, 王瑾, 等(28)
牦牛病毒性腹泻病毒全基因测序及生物信息学分析 王研, 刘亚刚, 王荣, 等(33)
不同硒浓度日粮对小鼠肝脏和睾丸组织中部分硒蛋白 mRNA 水平的影响 郑良焰, 张琴, 刘碧涛, 等(38)
猪瘟病毒 E2 蛋白主要抗原区编码基因的原核表达及抗原性研究 刘萍, 王宏博, 祁光宇, 等(43)
新型冠状黄病毒广西流行毒株的分离和包膜蛋白的序列分析 郑敏, 赵日浪, 韦显凯, 等(46)
牛 Myf5 基因克隆及蛋白质生物学特性分析 杜连群, 张燕欣, 聂永伟, 等(50)
鲤鱼 γ -2 β 干扰素基因组 DNA 克隆及序列分析 陈义龙, 孙真, 贾生美, 等(54)
不同样品中犬输血传播性病毒的 PCR 检测比较与基因分析 郁达义, 叶剑波, 袁聪俐, 等(59)
酵母 CUP1 基因的结构及其蛋白质鳌合金属离子功能的研究进展 颜孝贤, 王起山, 陈振亮, 等(62)
丁型鸭肝炎病毒的分离与鉴定 施旭梅, 邵洪泽, 石春军, 等(68)
瘤胃厌氧真菌的作用及其分子生物学研究方法 张晓燕, 毛华明, 杨舒黎, 等(71)
牛传染性鼻气管炎病毒 gD 蛋白主要抗原区域的高效表达、纯化与鉴定 乃德合(77)
猪巨细胞病毒(PCMV)四川株 gB 基因的克隆与序列分析 何万平, 赵玲, 刘艳, 等(80)

· 动 物 营 养 与 饲 料 科 学 ·

- 益生菌发酵棉粕对黄羽肉鸡小肠黏膜形态、血清 T 淋巴细胞亚群及肠道菌群的影响 闫理东, 张文举, 聂存喜, 等(84)
营养调控剂对荷斯坦奶公牛育肥性能的影响 张云峰, 陈宁, 尹君亮(91)
育成荷斯坦奶公牛与其他 3 个品种牛的肉品质比较研究 胡猛, 张文举, 尹君亮, 等(95)
日粮中添加酸制剂对肉仔鸡生长性能及肠道健康的影响 李建慧(100)
恩州鸡肌肉品质分析 张依裕, 张福平, 林家栋, 等(103)

· 生 理 生 化 ·

- 胸膜肺炎放线杆菌 adh 基因敲除株与 5b 野生株的培养特性及致病性比较 计群, 雷连成, 杨舒心, 等(107)
猪圆环病毒 2 型感染的猪肺泡巨噬细胞 TLR2/TLR4/CD16/CD18 转录水平动态变化 王建立, 杨柳, 杨凯, 等(110)
IL-4 受体阻断对小鼠急性感染肝片吸虫后肝脏单核细胞悬液中细胞因子的影响 罗洪林, 王豪举, 张文韬, 等(118)
山羊生长分化因子 9 基因 FecTT 突变检测 王金鑫, 冯涛, 储明星, 等(123)
免疫组化法检测促黄体素受体在多浪羊和卡拉库尔羊卵巢上的分布 王惠娥, 汪澜, 盛伟明(126)
雌激素对奶牛输卵管上皮细胞前列腺素 E₂ 和 F_{2α} 合成酶 mRNA 表达的影响 樊凤娇, 董至恒, 付改玲, 等(130)
猪乙型脑炎病毒 LS 株的理化特性及其在 BHK-21 细胞上增殖特性的研究 王帅涛, 李伟豪, 王川庆, 等(134)

胚胎干细胞向生殖细胞分化的研究进展	饶家辉,周虚	(137)
甲状腺激素对骨代谢相关基因调控的研究进展	邓华,初晓辉,殷红,等	(141)
土槿皮乙酸 B 通过活性氧和有丝分裂原蛋白激酶诱导 MCF 7 细胞凋亡的研究	刘春禹,郑桂彬,于静华	(146)
α -半乳糖苷酶的研究进展	郝桂娟,张凯,王学智,等	(149)
应激对胃肠道屏障功能影响的研究进展	蔡元丽	(155)
家畜体内防御素多态性和表达的研究进展	李砚,杨银凤	(160)

• 遗 传 繁 育 •

水貂胚胎滞育的影响因素及调节机制	曹新燕,刘晗璐,赵靖波,等	(169)
哺乳动物胚胎的活性氧来源及其抗氧化机制	庄利利,胡德宝,蔡丽娟,等	(173)

• 疾 病 防 治 •

3 种定量检测绵羊肺炎支原体方法的比较	何曼莉,费磊,岳华,等	(177)
牛源耐甲氧西林金黄色葡萄球菌的检测	苏洋,蒲万霞,邓海平,等	(181)
动物性食品源大肠杆菌 O 血清型鉴定及其 K88 菌毛基因检测	张艳英,高桂生,史秋梅,等	(185)
2010—2011 年猪场中猪源新型甲型流感病毒流行情况调查	张红娜,柴同杰,李欣,等	(189)
兔产气荚膜梭菌 SD12 株的分离与血清型鉴定	吴忆春	(192)
鱼源病原菌对氟喹诺酮类药物的耐药性分析	王小亮,徐立蒲,曹欢,等	(195)
犬细小病毒病流行病学调查	刘静,赵学刚,陆江,等	(199)
复方中药体外抗新城疫病毒活性研究	赵增成,林树乾,傅剑,等	(202)
猪瘟病毒 3 种检测方法的比较	张艳英,高桂生,高光平,等	(205)
传染性造血器官坏死病诊断及防控的研究进展	徐立蒲,王小亮,杨丽文,等	(209)

• 兽 医 临 床 •

新疆某猪场不同生长期的猪源大肠杆菌对抗生素耐药性调查	夏利宁,赵红琼,米克热木·沙衣布扎提,等	(216)
4 种佐剂对绵羊肺炎支原体的免疫辅佐效力研究	费磊,岳华,汤承	(220)

• 经 验 交 流 •

高效液相色谱法测定不同粒径淫羊藿中淫羊藿苷的溶出量	谷宇锋,刘兆颖,张明军,等	(224)
四环素残留的免疫学检测方法研究进展	李嘉嘉,赵振升,张代宝,等	(227)
刺糖对庆大霉素致小鼠肾损伤保护作用的初步研究	米克热木·沙衣布扎提,海如拉·马木提,姚琛	(230)
薄膜包衣技术及其在畜牧业中的应用研究进展	张志焱,李金敏,李伟,等	(234)
刺五加多糖的生理功能及在动物生产上的作用	杨侃侃,边连全,刘显军,等	(237)
动物源性食品中齐帕特罗一步法 ELISA 试剂盒的研制	董李学,葛怀礼,郑百芹,等	(242)
沙棘的理化性质及其在家禽生产中的应用	刘艳丰,孙焕林,唐淑珍,等	(247)

• 国 外 畜 牧 科 技 •

增加色氨酸浓度对仔猪生长及生理变化的影响	(42)
Stat5a 促进体外分离的泌乳期奶牛乳腺上皮细胞泌乳	(58)
香精油及其生物活性成分对瘤胃发酵特性和反刍动物饲料效率影响的元分析	(117)
黄豆苷对热应激条件下后期泌乳奶牛生产性能和血清抗氧化功能的影响	(223)
干奶期奶牛日粮中添加淀粉和葵花油能改变 t-11 或 t-10 脂肪酸氧化途径的变化	(241)
奶山羊乳腺上皮细胞系的建立与鉴定	(251)

CHINA ANIMAL HUSBANDRY & VETERINARY MEDICINE
Vol. 40 No. 3 (Mar. 2013)
SELECTED CONTENTS

- Cloning of buffalo CTCF gene and its expression pattern investigation in different tissues SU Jie, ZHU Peng, LIU Qing-you, et al(1)
- Cloning and prokaryotic expression of *ccpA* gene of *Streptococcus suis* type 2 RAN Hui-ling, LANG Xu-long, WANG Xing-long, et al(7)
- Identification of the metabolites of cyadox *in vivo* produced by chicken using ultra performance liquid chromatography/quadruple time of flight tandem mass spectrometry YANG Shu-peng, WANG Ying, LI Yan-shen, et al(11)
- Cloning and differential expression analysis of lysozyme gene in Small Tail Han sheep LI Chuang, XU Yun-ming, TANG Feng, et al(19)
- Effect of DIP and IGF- I on the expression of AKT-1 and mTOR genes in bovine mammary epithelial cells SHI Lin-lin, ZHAO Feng, GAO Xue-jun, et al(23)
- Bioinformatics analysis on the coding region of *BPI* gene among thirteen different species WU Zheng-chang, SU Xian-min, WANG Jin, et al(28)
- Genome sequencing and bioinformatics analysis of bovine viral diarrhea virus strain Yak WANG Yan, LIU Ya-gang, WANG Rong, et al(33)
- Effect of different dietary selenium concentration on mRNA levels of some selenoprotein in mice liver and testis ZHENG Liang-yan, ZHANG Qin, LIU Bi-tao, et al(38)
- The prokarytic expression of the main antigenic domains of E2 protein of classical swine fever virus and study on its antigenicity LIU Ping, WANG Hong-bo, QI Guang-yu, et al(43)
- Isolation of duck flavivirus Guangxi epidemic strain and sequence analysis of viral envelope protein ZHENG Min, ZHAO Ri-lang, WEI Xian-kai, et al(46)
- Molecular cloning of *Myf5* gene and biological properties analysis of protein DU Lian-qun, ZHANG Yan-xin, NIE Yong-wei, et al(50)
- Cloning and sequence analysis of interferon γ -2 β (IFN γ -2 β) genomic DNA in common carp (*Cyprinus carpio* L.) CHEN Yi-long, SUN Zhen, JIA Sheng-mei, et al(54)
- The PCR detection and gene analysis of torque-teno canis virus in different extraction samples YU Da-yi, YE Jian-bo, YUAN Cong-li, et al(59)
- Research progress on the structure and the function on binding metal-ion of yeast *CUP1* gene XIE Xiao-xian, WANG Qi-shan, CHEN Zhen-liang, et al(62)
- Isolation and identification of duck hepatitis virus type I SHI Xu-mei, SHAO Hong-ze, SHI Chun-jun, et al(68)
- Rolse and molecular biology research methods of rumen anaerobic fungi ZHANG Xiao-yan, MAO Hua-ming, YANG Shu-li, et al(71)
- Truncated expression, purification and identification of gD protein of infectious bovine rhinotracheitis virus NAI De-he(77)

- Cloning and sequence analysis of porcine cytomegalovirus(PCMV) *gB* gene from Sichuan HIE Wan-ping,ZHAO Ling,LIU Yan,et al(80)
- Effect of fermented cottonseed meal included in diets on small intestinal mucosa morphology, T lymphocyte cell subset and intestinal microflora in yellow chicken YAN Li-dong,ZHANG Wen-ju,NIE Cun-xi,et al(84)
- Effect of nutrition additives on fattening performance of Holstein bulls ZHANG Yun-feng,CHEN Ning,YIN Jun-liang(91)
- Study on beef quality of growing Holstein dairy bull compared with other three breeds HU Meng,ZHANG Wen-ju,YIN Jun-liang,et al(95)
- Effect of acidifier on the growth performance and gut health of broiler chickens LI Jian-hui(100)
- Analysis of meat quality in Sizhou chicken ... ZHANG Yi-yu,ZHANG Fu-ping,LIN Jia-dong,et al(103)
- The comparison of culture characteristic and pathogenicity of *Actinobacillus pleuropneumoniae* \triangle adh with 5b JI Qun,LEI Lian-cheng,YANG Shu-xin,et al(107)
- Changes in transcription levels of TLR2/TLR4/CD16/CD18 of porcine pulmonary alveolar macrophages post-infected PCV2 *in vivo* WANG Jian-li,YANG Liu,YANG Kai,et al(110)
- Effects of blockage of IL-4R α on the early cytokine profiles in hepatic mononuclear cells from mice infected with *Fasciola hepatica* ... LUO Hong-lin,WANG Hao-ju,ZHANG Wen-tao,et al(118)
- Detection of the FecTT mutation of growth differentiation factor 9 gene in goats WANG Jin-xin,FENG Tao,CHU Ming-xing,et al(123)
- Distribution and localization of luteinizing-hormone receptors on the ovaries between duolang sheep and karakul sheep WANG Hui-e,WANG Lan,SHENG Wei-ming(126)
- Effect of estrogens on the expression of PGES and PGFS mRNA in thelial cells FAN Feng-jiao,DONG Zhi-heng,FU Gai-ling,et al(130)
- Study on the physicochemical properties and proliferative characteristics in BHK-21 cells of Japanese encephalitis virus LS strain ... WANG Shuai-tao,LI Wei-hao,WANG Chuan-qing,et al(134)
- Research progress of embryonic stem cells differentiating into germ cell RAO Jia-hui,ZHOU Xu(137)
- Research progress on the expression of parathyroid hormone to regulate bone metabolism related genes DENG Hua,CHU Xiao-hui,YIN Hong,et al(141)
- Study of pseudolaric acid B induced apoptosis through ROS regulating MAPK in MCF-7 cells LIU Chun-yu,ZHENG Gui-bin,YU Jing-hua(146)
- Research progress on α -galactosidase HAO Gui-juan,ZHANG Kai,WANG Xue-zhi,et al(149)
- Research progress of the effect of stress on intestinal barrier function CAI Yuan-li(155)
- Research progress of polymorphism and expression of defensins *in vivo* of livestock LI Yan,YANG Yin-feng(160)
- Influencing factors and regulation of embryonic diapause in mink CAO Xin-yan,LIU Han-lu,ZHAO Jing-bo,et al(169)
- ROS sources and anti-oxidative mechanisms in mammalian embryos ZHUANG Li-li,HU De-bao,CAI Li-juan,et al(173)

- Comparision of three methods for quantativing *Mycoplasma ovipneumoniae* HE Man-li,FEI Lei,YUE Hua,et al(177)
- Detection of methicillin-resistant *Staphylococcus aureus* strains isolated from bovine mastitis SU Yang,PU Wan-xia,DENG Hai-ping,et al(181)
- O serotype identification and K88 fimbriae genes analysis of *E. coli* isolated from animal foods ZHANG Yan-ying,GAO Gui-sheng,SHI Qiu-mei,,et al(185)
- Prevalence investigation of novel swine-origin influenza A (H1N1) virus in some pig farms in Shandong province from 2010 to 2011 ZHANG Hong-na,CHAI Tong-jie,LI Xin,et al(189)
- Isolation and serotype identification on *Clostridium perfringen* SD12 strain of rabbit WU Yi-chun(192)
- Analysis of the fluoroquinolone resistance of pathogens isolated from fish WANG Xiao-liang,XU Li-pu,CAO Huan,et al(195)
- Epidemiological investigation of canine parvovirus disease LIU Jing,ZHAO Xue-gang,LU Jiang,et al(199)
- Research on compound Chinese herbal medicine against Newcastle disease virus activity *in vitro* ZHAO Zeng-cheng,LIN Shu-qian,FU Jian,et al(202)
- Comparison of three detection methods for classical swine fever virus ZHANG Yan-ying,GAO Gui-sheng,GAO Guang-ping,et al(205)
- Researd progress on the diagnosis, prevention and control of infectious hematopoietic necrosis XU Li-pu,WANG Xiao-liang,YANG Li-wen,et al(209)
- Survey on antibiotic resistance of *E. coli* isolated from different growth stages pigs in a pig farm of Xinjiang XIA Li-ning,ZHAO Hong-qiong,MIKEREMU Shayibuzhati,et al(216)
- Study on the four adjuvant for inactivated vaccine of *Mycoplasma ovipneumoniae* immune effectiveness FEI Lei,YUE Hua,TANG Cheng,(220)
- Determination of dissolution amount of icariin in different particle sizes of *Epimedium* by HPLC GU Yu-feng,LIU Zhao-ying,ZHANG Ming-jun et al(224)
- Research progress on immunoassay in tetracycline residues LI Jia-jia,ZHAO Zhen-sheng,ZHANG Dai-bao,et al(227)
- Preliminary studies of protective effects of saccharum alhagi on kidney injury of mice induced by gentamicin Mikeremu Shayibuzhati,Hairula Mamuti,YAO Chen(230)
- Research on the film coating technology and its application in animal husbandry ZHANG Zhi-yan,LI Jin-min,LI Wei,et al(234)
- Physiological function of *Acathopanas senticosus* polysaccharides and its application in animal production YANG Kan-kan,BIAN Lian-quan,LIU Xian-jun,et al(237)
- Study on one-step method ELISA kit for detection of zilpaterol in animal derived food DONG Li-xue,GE Huai-li,ZHENG Bai-qin,et al(242)
- Hippophae rhamnoides* physicochemical properties and its application in poultry production performance LIU Yan-feng,SUN Huan-lin,TANG Shu-zhen,et al(247)