



全国中文核心期刊  
中国科技核心期刊  
中国科学引文数据库来源期刊

ISSN 0366-6964  
CODEN CMHAI

# 畜牧兽医学报

ACTA VETERINARIA ET ZOOTECHNICA SINICA

CHINESE JOURNAL  
OF ANIMAL AND VETERINARY SCIENCES

Vol.43

No.8

2012

中国畜牧兽医学会

CHINESE ASSOCIATION OF ANIMAL  
SCIENCE AND VETERINARY MEDICINE

ISSN 0366-6964



9 770366 696124

# 畜牧兽医学报

## XUMU SHOUYI XUEBAO

### 第43卷 第8期 2012年8月

## 目 次

### 遗传繁育

北京地区猪生长和繁殖性状边际效益的研究 ..... 时晓明, 丁向东, 张勤, 等(1177)  
济宁青山羊生后发育阶段 GnRH 与 GnRHR 阳性细胞在下丘脑分布规律的研究

..... 刘宵, 王树迎, 尹玉涛, 等(1186)  
靶向绵羊 MSTN 基因的锌指核酸酶腺病毒表达载体的构建及活性验证

..... 张存芳, 王令, 任刚, 等(1192)  
秦川牛 IRS-1 基因多态性与体尺和肉质性状的相关性 ..... 马向辉, 舒林森, 高建斌, 等(1200)  
重组牦牛肌肉生长抑制素成熟肽的纯化及其免疫原性研究 ..... 毛亮, 徐亚欧, 郑玉才(1210)  
自由基吸收类抗氧化剂对延边黄牛体细胞克隆重构胚发育的影响

..... 尹多, 朱玉霞, 柳海星, 等(1215)  
E-钙粘蛋白抗体对小鼠早期胚胎发育的影响 ..... 吴兴龙, 王棉娟, 胡春超, 等(1222)

### 动物营养

肉用绵羊饲料养分消化率和有效能预测模型的研究 ..... 刘洁, 刁其玉, 赵一广, 等(1230)  
日粮阴阳离子平衡(DCAB)对热应激肉牛生产性能的影响 ..... 曹玉凤, 李秋凤, 高艳霞, 等(1239)  
不同填饲量对北京鸭胴体品质、体脂沉积和营养物质表观消化率的影响

..... 闻治国, 朱勇文, 唐静, 等(1247)

### 预防兽医

鸡群对病毒灭活疫苗免疫后抗体动态检测的不同实验设计和统计学分析的比较研究  
..... 崔治中, 赵鹏, 何海蓉, 等(1255)

流感病毒 H3N2 神经氨酸酶双点突变对病毒抗药性影响的研究 ..... 董长颖, 韩冰孝(1260)  
猪繁殖与呼吸综合征病毒 GP3/GP5/M 真核表达载体的构建及其他体液免疫应答

..... 王凡, 刘建斌, 祝秀梅, 等(1266)  
携带猪传染性胃肠炎病毒 S/N 融合双基因的减毒沙门氏菌的构建与鉴定

..... 黄小波, 李春松, 杨恒, 等(1273)  
应用噬菌体展示技术筛选兔出血症病毒抗原模拟表位 ..... 杨廷亚, 王芳, 姜平, 等(1281)

脂质体包被鸡 IL-18 可增强新城疫活疫苗的免疫效果 ..... 张海滨, 周明东, 周霞, 等(1287)

### 基础兽医

产后奶牛子宫内微生物菌群动态变化及其与子宫黏液性状关系的研究  
..... 彭宇, 王一昊, 朱伟云, 等(1292)

氟苯尼考及其代谢物氟苯尼考胺在鸡肌肉中的残留消除规律 ..... 谢恺舟, 张小杰, 陈学森, 等(1298)

### 研究简报

荣昌猪 SLA-DQB 基因  $\beta 1$  结构域突变分析及蛋白质序列模式预测  
..... 白小青, 刘文, 黄微, 等(1306)

猪精子获能前后细胞亚组分蛋白分离及酪氨酸磷酸化蛋白的鉴定

..... 胡启蒙, 张媛媛, 陈振亮, 等(1310)  
ALV-J 诱发鸡成红细胞白血病的临床病例分析 ..... 姜艳萍, 王玥, 于琳琳, 等(1317)

猪肺炎支原体 P216 基因片段的表达及黏附活性研究 ..... 杜海霞, 刘茂军, 冯志新, 等(1324)

乙型脑炎病毒贵州分离株 E 基因原核表达及其免疫原性的研究 ..... 汤德元, 王凤, 马萍, 等(1330)

**ACTA VETERINARIA ET ZOOTECHNICA SINICA**  
**CHINESE JOURNAL OF ANIMAL AND VETERINARY SCIENCES**  
Published Monthly:  
Chinese Association of Animal Science and Veterinary Medicine  
Beijing, China  
**Vol. 43 No. 8 (Aug. 2012)**

**CONTENTS**

- Research for Marginal Profits of Growth and Reproduction Traits of Pigs in Beijing Area ..... SHI Xiao-ming, DING Xiang-dong, ZHANG Qin, et al(1177)  
Distribution Patterns of GnRH and GnRHR Positive Cells in Hypothalamus at Different Postnatal Stages in Jining Gray Goats ..... LIU Xiao, WANG Shu-ying, YIN Yu-tao, et al(1186)  
Construction and Detection of the Adenoviral Vector Encoding Zinc-finger Nucleases Targeted to *MSTN* in Sheep ..... ZHANG Cun-fang, WANG Ling, REN Gang, et al(1192)  
Association of *IRS-1* Gene Polymorphism with Body Measurement and Meat Quality Traits in Qinchuan Cattle ..... MA Xiang-hui, ZAN Lin-sen, GAO Jian-bin, et al(1200)  
Purification and Immunogenicity of Matured Peptide of Recombinant Myostatin in Yak ..... MAO Liang, XU Ya-ou, ZHENG Yu-cai(1210)  
Effects of Free Radical Absorptive Antioxidants on the Development of Somatic Cell Nuclear Transfer Yanbian Yellow Cattle Embryos ..... YIN Duo, ZHU Yu-xia, LIU Hai-xing, et al(1215)  
Effects of E-cadherin Antibody on Mouse Early Embryo Development ..... WU Xing-long, WANG Mian-juan, HU Chun-chao, et al(1222)  
Prediction of Nutrient Digestibility and Energy Concentrations Using Chemical Compositions in Meat Sheep Feeds ..... LIU Jie, DIAO Qi-yu, ZHAO Yi-guang, et al(1230)  
Effects of Dietary Cation-anion Balance on Performance of Heat-stressed Beef Cattle ..... CAO Yu-feng, LI Qiu-feng, GAO Yan-xia, et al(1239)  
Effects of Force-feeding Levels on Carcass Quality, Body Fat Deposition and Apparent Digestibility of Nutrients for Pekin Ducks ..... WEN Zhi-guo, ZHU Yong-wen, TANG Jing, et al(1247)  
Comparative Studies of Statistic Design and Analysis for Antibody Titer Kinetics after Vaccination of Chickens with Inactivated Viral Vaccines ..... CUI Zhi-zhong, ZHAO Peng, HE Hai-rong, et al(1255)  
The Two Key Sites Responsible for Drug Resistance in H3N2 Neuraminidase Gene ..... DONG Chang-ying, HAN Bing-xiao(1260)  
Construction and Humoral Immune Response of Recombinant Plasmid Co-Expressing GP3, GP5 and M Proteins of Porcine Reproductive and Respiratory Syndrome Virus ..... WANG Fan, LIU Jian-bin, ZHU Xiu-me, et al(1266)  
Construction and Identification of Attenuated *Salmonella typhimurium* Harbouring S/N Double Fusion Genes of Porcine Transmissible Gastroenteritis Virus ..... HUANG Xiao-bo, LI Chun-song, YANG Heng, et al(1273)  
Screening of Antigen Mimotopes of Rabbit Hemorrhagic Disease Virus by Phage Display Technology ..... YANG Ting-ya, WANG Fang, JIANG Ping, et al(1281)  
Effect of Mature Chicken Interleukin-18 Protein on Its Immunoenhancement on Newcastle Disease Vaccine ..... ZHANG Hai-bin, ZHOU Ming-dong, ZHOU Xia, et al(1287)  
Dynamic Changes of Bacterial Community in Uterus and Relationship with Uterus Mucus Characteristics of Postpartum Cows ..... PENG Yu, WANG Yi-hao, ZHU Wei-yun, et al(1292)  
Florfenicol and Its Metabolite Florfenicol Amine Residue Depletion in Chicken Muscle ..... XIE Kai-zhou, ZHANG Xiao-jie, CHEN Xue-sen, et al(1298)  
Mutation Analysis and Protein Motifs Search of  $\beta$ 1 Domain of *SLA-DQB* Gene in Rongchang Pigs ..... BAI Xiao-qing, LIU Wen, HUANG Wei, et al(1306)  
Separating Subcellular Proteins in Uncapacitation and Capacitation of Boar Sperm Cells and Identifying the Tyrosine Phosphoprotein ..... HU Qi-meng, ZHANG Yuan-yuan, CHEN Zhen-liang, et al(1310)  
Clinical Cases Analysis of Avian Leukosis Virus Subgroup J Induced Erythroblastosis in Chicken ..... JIANG Yan-ping, WANG Yue, YU Lin-lin, et al(1317)  
Expression of *P216* Gene Fragment from *Mycoplasma hyopneumoniae* and Research on Adhesion Activity ..... DU Hai-xia, LIU Mao-jun, FENG Zhi-xin, et al(1324)  
The Study of Prokaryotic Expression and Immunogenicity of *E* Gene of Japanese Encephalitis Virus Guizhou Isolation Strain ..... TANG De-yuan, WANG Feng, MA Ping, et al(1330)