



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 CMHPAI

# 畜牧兽医学报

ACTA VETERINARIA ET ZOOTECHNICA SINICA

CHINESE JOURNAL  
OF ANIMAL AND VETERINARY SCIENCES

Vol.43

No.4

## 2012

中国畜牧兽医学会

CHINESE ASSOCIATION OF ANIMAL  
SCIENCE AND VETERINARY MEDICINE

ISSN 0366-6964



万方数据

# 畜牧兽医学报

## XUMU SHOUYI XUEBAO

### 第43卷 第4期 2012年4月

## 目次

### 综述

牛病毒性腹泻病毒侵染细胞机制的研究进展 ..... 宫晓炜, 郑福英, 蔺国珍, 等(503)

### 遗传繁育

*FSHR* 基因第 1 外显子多态性及其与小梅山猪产仔数的关系 ..... 吴井生, 张跟喜, 戴国俊, 等(509)

*SLA-DQA* 基因在 F18 大肠杆菌抗性和敏感性断奶仔猪间的差异表达分析 ..... 菅 臣, 刘 璐, 苏先敏, 等(516)

猪不同生长阶段甲状腺结构的形态计量学研究 ..... 王燕丽, 李艳玲, 郝 柱, 等(521)

*DLK1* 和 *MSTN* 基因在绵羊妊娠中后期胎儿中的表达分析 ..... 魏彩虹, 刘 刚, 杜立新, 等(527)

不同品种牛背最长肌抗氧化性能的研究 ..... 解祥学, 孟庆翔, 任丽萍, 等(534)

文昌鸡 *MTNR1B* 基因的多态性及其与产蛋性状的关系 ..... 李晓宁, 王 慧, 于希江, 等(540)

鸭 *CD8 $\alpha$*  基因启动子区的克隆及荧光素酶报告基因重组体的构建 ..... 徐 琪, 陈 阳, 黄正洋, 等(546)

生长因子对兔骨髓间充质干细胞增殖的影响 ..... 和小娥, 任卫青, 邓立新, 等(553)

抑制素主动免疫对大鼠生殖激素及卵巢发育的影响; Montanide 和 Freund's 佐剂效应比较 ..... 曹晓涵, 王振华, 韩兴发, 等(558)

### 动物营养

N-乙酰半胱氨酸对脂多糖刺激仔猪免疫应激和能量状况的影响 ..... 杨震国, 张 伟, 侯永清, 等(564)

利用体外产气法研究不同瘤胃降解蛋白平衡对瘤胃代谢的影响 ..... 李秋凤, 曹玉凤, 李建国(572)

### 预防兽医

猪圆环病毒 2 型感染对猪瘟弱毒疫苗接种猪免疫应答的影响 ..... 赵丹萍, 陶 彬, 陈立功, 等(580)

小反刍兽疫病毒核蛋白单克隆抗体的制备与初步应用 ..... 龙云凤, 周晓黎, 杨俊兴, 等(588)

共表达鸡 IL-6 和 H5 亚型禽流感病毒 HA 基因重组鸡痘病毒免疫抗体消长规律及免疫效力研究 ..... 陈素娟, 丁彦红, 钱 程, 等(596)

禽白血病毒 J 亚群自然感染商品蛋鸡致瘤性新特征 ..... 于琳琳, 姜艳萍, 王 玥, 等(602)

犬弓首蛔虫雄虫 cDNA 文库构建及 EST 分析 ..... 马光旭, 周 琪, 魏志鹏, 等(609)

### 基础兽医

苯扎溴铵和氯己定诱导的大肠埃希菌耐药性分析 ..... 张 静, 刘晴晴, 马保瑞, 等(615)

菌丝霉素的串联表达及其菌内抑菌活性分析 ..... 管 韬, 余 冰, 陈代文, 等(620)

视黄醇对 LPS 诱发的原代培养大鼠乳腺上皮细胞炎症反应的调节 ..... 顾蓓蓓, 苗晋锋, 卢劲晖, 等(627)

鼠李糖乳酸杆菌 LG<sub>A</sub> 对鸡小肠上皮细胞  $\beta$ -防御素-9 基因表达的影响 ..... 蔡观红, 洪智敏, 贾永杰, 等(634)

### 临床兽医

肉鸡胫骨软骨发育不良早期钙黏蛋白 1(CDH1) 差异表达研究 ..... 田文霞, 李家奎, 王 瑞, 等(642)

### 研究简报

冷却排酸期间牛胴体温度与 pH 的变化及其对牛肉汁液渗出性的影响 ..... 赵会平, 孙志昶, 李永鹏, 等(647)

豆状囊尾蚴的超微结构观察 ..... 潘耀谦, 刘兴友, 赵振升, 等(653)

禽新型黄病毒 RT-LAMP 检测方法的建立 ..... 李兆龙, 陈仕龙, 林锋强, 等(659)

柔嫩艾美耳球虫 *Etron2* 基因在不同发育阶段转录水平差异的分析 ..... 戚南山, 孙铭飞, 吴彩艳, 等(664)

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. 4 (Apr. 2012)

CONTENTS

- Research Advances in Invasion Mechanism of Bovine Viral Diarrhea Virus  
..... GONG Xiao-wei, ZHENG Fu-ying, LIN Guo-zhen, et al(503)
- Polymorphism of Exon1 of *FSHR* Gene and Its Relationship with Litter Size in Xiaomeishan Pigs  
..... WU Jing-sheng, ZHANG Gen-xi, DAI Guo-jun, et al(509)
- The Differential Expression of *SLA-DQA* Gene between Weaning Piglets Resistant or Sensitive to *Escherichia coli* F18  
..... ZI Chen, LIU Lu, SU Xian-min, et al(516)
- Morphometry Study on the Structure of Thyroid Gland at Different Growth Stages in Pigs  
..... WANG Yan-li, LI Yan-ling, HAO Zhu, et al(521)
- The Expression Analysis of *DLK1* and *MSTN* Genes in Fetus during Mid- and Late-pregnancy of Sheep  
..... WEI Cai-hong, LIU Gang, DU Li-xin, et al(527)
- Study on the Antioxidant Ability in *Longissimus doris* of Different Breeds of Beef Cattle  
..... XIE Xiang-xue, MENG Qing-xiang, REN Li-ping, et al(534)
- Polymorphisms of *MTNR1B* Gene and Its Association with Laying Traits in Wenchang Chickens  
..... LI Xiao-ning, WANG Hui, YU Xi-jiang, et al(540)
- Molecular Cloning and Construction of Luciferase Reporter Recombinant of *CD8 $\alpha$*  Gene Promoter in Duck  
..... XU Qi, CHEN Yang, HUANG Zheng-yang, et al(546)
- Proliferative Effects of Growth Factors on Bone Marrow Mesenchymal Stem Cells of Rabbits *in vitro*  
..... HE Xiao-e, REN Wei-qing, DENG Li-xin, et al(553)
- Effects of Active Immunization against Inhibin on Hormonal Level and Ovarian Development in Rats; Comparison of Montanide and Freund's Adjuvant  
..... CAO Xiao-han, WANG Zhen-hua, HAN Xing-fa, et al(558)
- Effects of N-acetylcysteine on Immunological Stress and Energy Status of Piglets Chronically Challenged with Lipopolysaccharide  
..... YANG Zhen-guo, ZHANG Wei, HOU Yong-qing, et al(564)
- Effects of Different Rumen Degradable Protein Balance (RDPB) on Rumen Fermentation, Total Gas and Methane Production *in vitro*  
..... LI Qiu-feng, CAO Yun-feng, LI Jian-guo(572)
- Influence of Porcine Circovirus Type 2 Infection on Immune Response of Pigs to Classical Swine Fever Vaccine  
..... ZHAO Dan-ping, TAO Bin, CHEN Li-gong, et al(580)
- Preparation and Preliminary Application of Monoclonal Antibodies against Nucleoprotein of Peste des Petits Ruminants Virus  
..... LONG Yun-feng, ZHOU Xiao-li, YANG Jun-xing, et al(588)
- Antibody Dynamics and Protective Efficacy of Recombinant Fowlpox Virus Co-expressing Cytokine *IL-6* Gene and *HA* Gene of H5 Subtype Avian Influenza Virus  
..... CHEN Su-juan, DING Yan-hong, QIAN Cheng, et al(596)
- New Features of Tumors Induced by Avian Leukosis Virus Subgroup J in Layer Flock  
..... YU Lin-lin, JIANG Yan-ping, WANG Yue, et al(602)
- Construction of a cDNA Library from Male Adult *Toxocara canis* and Analysis of Expressed Sequence Tag (EST)  
..... MA Guang-xu, ZHOU Qi, WEI Zhi-peng, et al(609)
- Analysis of Benzalkonium Bromide and Chlorhexidine Induced *Escherichia coli* Resistance  
..... ZHANG Jing, LIU Qing-qing, MA Bao-rui, et al(615)
- Tandem Expression and Bacteriostatic Activity *in vivo* of Plectasin  
..... GUAN Tao, YU Bing, CHEN Dai-wen, et al(620)
- Modulation of Retinoic Acid in LPS-induced Inflammation in Primary Culture of Rat Mammary Epithelial Cells  
..... GU Bei-bei, MIAO Jin-feng, LU Jin-ye, et al(627)
- Effect of *Lactobacillus rhamnosus* LG<sub>A</sub> on  $\beta$ -defensin 9 Expression in Cultured Chicken Small Intestinal Epithelial Cells  
..... LI Guan-hong, HONG Zhi-min, JIA Yong-jie, et al(634)
- The Differential Expression of Cadherin 1 (CDH1) in the Growth Plate of Tibial Dyschondroplasia in Broiler Chickens at the Early Stage  
..... TIAN Wen-xia, LI Jia-kui, WANG Rui, et al(642)
- Temperature and pH Decline of Cattle Carcass and Its Effect on Drip Oozing Rate during Conditioning  
..... ZHAO Hui-ping, SUN Zhi-chang, LI Yong-peng, et al(647)
- Ultrastructure Observation of *Cysticercus pisi formis*  
..... PAN Yao-qian, LIU Xing-you, ZHAO Zhen-sheng, et al(653)
- Establishment of Rapid Reverse Transcriptase Loop Mediated Isothermal Amplification for Detection of Avian Novel Flavivirus  
..... LI Zhao-long, CHEN Shi-long, LIN Feng-qiang, et al(659)
- Transcription Profiles of *Etron2* Gene during the Different Development Stages  
..... QI Nan-shan, SUN Ming-fei, WU Cai-yan, et al(664)