

# 中国实验动物学报

ACTA LABORATORIUM ANIMALIS SCIENTIA SINICA

双月刊 1993 年 6 月创刊

第 18 卷 第 4 期 2010 年 8 月 30 日出版

主 管  
中国科学技术协会

主 办  
中国实验动物学会  
中国医学科学院医学实验动物研究所

主 编  
邢瑞昌  
编 辑  
中国实验动物学报编辑委员会

出版与发行  
中国实验动物学会  
100021,北京市朝阳区潘家园南里 5 号  
电话:(010)67779337  
传真:(010)67770690  
E-mail:a67761337@126.com

照 排  
清华同方光盘股份有限公司  
印 刷  
北京昌平百善印刷厂

邮发代号  
2-748

订 购  
中国实验动物学报编辑部  
100021,北京市朝阳区潘家园南里 5 号

广告经营许可证号  
京朝工商广字第 8131 号

定 价  
每期 20.00 元,全年 120.00 元

中国标准连续出版物号  
ISSN 1005-4847  
CN 11-2986/Q

2010 年版权归中国实验动物学会所有  
本刊已加入万方数据网络、中国学术期刊(光盘版)电子杂志、中文生物医学期刊文献数据库、中国科学引文数据库、世界卫生组织西太平洋地区医学索引等数据库,在本刊所支付的稿费中已包含上述网站著作权使用费。编辑部有复制权、发行权、汇编权以及信息网络传播权。

本期责任编辑 李继平

## 目 次

### 研究报告

- 禽流感 H5N1 亚型病毒对五个不同品系小鼠致病性的比较 ..... 黄韧,王颖彦,邓少娣,等(271)  
烟雾暴露所致肺气肿小鼠模型的建立与评价 ..... 曹君,陈平,杨悦,等(278)  
自制载体冷冻小鼠原核期胚胎效果分析 ..... 陆文昊,程晋,王维,等(283)  
博来霉素诱导 C57BL/6 小鼠与 ICR 小鼠肺间质纤维化模型的比较 ..... 宋淑范,张晓晔(289)  
东方田鼠胚胎成纤维细胞永生化细胞系的建立 ..... 成钢,罗赛群,盖楠,等(292)  
D-半乳糖致亚急性衰老大鼠尿液排泄情况观察及其多尿机制探讨 ..... 谭莹,黄萍,操红缨,等(296)  
24 小时快速起搏右心房对兔心房单向动作电位的影响 ..... 孙娟,侯月梅,张玲(300)  
骨髓间充质干细胞条件培养液对小鼠卵母细胞的孤雌激活作用 ..... 冯定庆,周颖,李彩荣,等(304)  
实验动物 CAR 杆菌 16SrRNA 基因 PCR 监测方法的建立 ..... 范薇,隋丽华,刘大伟,等(308)  
常规实验操作对 Wistar 大鼠的影响 ..... 吴剑平,杨斐,胡樱(312)  
兔实验性动脉粥样硬化和急性心肌梗死双模型的建立 ..... 沈伟,施海明,罗心平,等(318)  
分泌性中耳炎大鼠咽鼓管鼓室  $\beta$ -防御素的表达 ..... 樊春笋,黄一波,李曼,等(322)  
不同血瘀造模对 B<sub>16</sub>荷瘤鼠肝转移模型的影响 ..... 潘永明,杨玉伟,刘瑞敏,等(326)  
被动吸烟下调大鼠卵巢雌、孕激素及其受体的表达 ..... 尹崇高,李若葆,李洪利,等(331)  
酸吸入致大鼠肺纤维化初步探索 ..... 陈石,张德平(335)  
大鼠实验性流产模型的建立及黄芪多糖对其的影响 ..... 吴玉泓,魏彦明,郭延生(341)  
犬传染性肝炎 DNA 疫苗安全性评价 ..... 郭瑞敏,郑龙,封志岚,等(345)  
切除肾上腺对大鼠自身免疫性脑脊髓炎敏感性的影响 ..... 寿旗扬,陈方明,贾临超,等(350)

### 综述·进展

- 环境雌激素实验室模拟暴露方法 ..... 刘晶靓,潘学军,黄斌,等(355)  
缺血性中风动物模型研究现状 ..... 屈会化,赵琰,卢建秋,等(360)

期刊基本参数:CN11-2986/Q \* 1993 \* b \* A4 \* 90 \* zh \* P \* ¥20.00 \* 2000 \* 20 \* 2010-8

# ACTA LABORATORIUM ANIMALIS SCIENTIA SINICA

Bimonthly, Established in September 1993

Volume 18 Number 4, August 30, 2010

## Responsible Institution

China Association for Science and Technology

## Sponsor

Chinese Association for Laboratory Animal Sciences  
Institute of Laboratory Animal Science, Chinese  
Academy of Medical Sciences

## Editor-in-Chief

XING Rui-chang(邢瑞昌)

## Editing

Editorial Office of ACTA LABORATORIUM ANIMA-  
LIS

SCIENTIA SINICA

5 Pan Jia Yuan Nan Li, Chaoyang District,  
Beijing 100021

Tel: (010) 67779337 Fax: (010) 67770690

E-mail: a67761337@126.com

## Publishing

Editorial Office of ACTA LABORATORIUM ANIMALIS  
SCIENTIA SINICA

5 Pan Jia Yuan Nan Li, Chaoyang District,  
Beijing 100021

Tel: (010) 67779337 Fax: (010) 67770690

E-mail: a67761337@126.com

## Undertaker

Institute of Laboratory Animal Sciences, Chinese Academy of  
Medical Sciences

Department of Laboratory Animal Sciences, Peking Union  
Medical College

## Printing

Baishan Printing House of Changping, Beijing

## Distributor and Mail-order

Editorial Office of ACTA LABORATORIUM ANIMA-  
LIS SCIENTIA SINICA

5 Pan Jia Yuan Nan Li, Chaoyang District,  
Beijing 100021

Tel: (010) 67779337 Fax: (010) 67763674

## CSSN

ISSN 1005-4847

CN 11-2986/Q

Copyright 2010 by the Chinese Association for Laboratory  
Animal Sciences

## CONTENTS IN BRIEF

- Comparison of the Pathogenicity of Avian Influenza A (H5N1) Virus in Five Strains of Mice ..... HUANG Ren, WANG Ying-Yan, DENG Shao-chang, et al(271)  
Establishment and Assessment of a Mouse Model of Cigarette Smoke-Induced Emphysema ..... CAO Jun, CHEN Ping, YANG Yue, et al(278)  
Vitrification of Mouse Pronuclear Stage Embryos: Effect of a Newly Self-Made, Economical Loading Device ..... LU Wen-hao, CHENG Jin, WANG Wei, et al(283)  
Comparison of the Effects of Bleomycin on Induction of Pulmonary Fibrosis in C57BL/6 and ICR Mice ..... SONG Shu-fan, ZHANG Xiao-ye(289)  
Establishment of an Immortalized *Microtus fortis* Embryonic Fibroblast Cell Line ..... CHENG Gang, LUO Sai-qun, GAI Nan, et al(292)  
Polyuria and Its Mechanism in D-Galactose-Induced Aging Rats ..... TAN Ying, HUANG Ping, CAO Hong-jin, et al(296)  
Effect of 24 Hours Rapid Atrial Pacing on Atrial Monophasic Action Potential in Rabbits ..... SUN Juan, HOU Yue-mei, ZHANG Ling(300)  
Effects of Conditioned Medium of Mesenchymal Stem Cells on Mouse Oocyte Parthenogenetic Activation ..... FENG Ding-qing, ZHOU Ying, LI Cai-rong, et al(304)  
Establishment of a PCR Assay for Detection of Cilia-Associated Respiratory Bacillus in Laboratory Animals Based on 16S rRNA Gene Fragment Sequence ..... FAN Wei, SUI Li-hua, LIU Da-wei, et al(308)  
Negative Impact of Routine Experimental Procedures on Wistar Rats ..... WU Jian-ping, YANG Fei, HU Ying(312)  
Establishment of an Original Model of Atherosclerosis and Acute Myocardial Infarction in Rabbit ..... SHEN Wei, SHI Hai-ming, LUO Xin-ping, et al(318)  
Expression of  $\beta$ -Defensin in the Tubotympanum in the Rat Model of Otitis Media with Effusion ..... FAN Chun-sun, HUANG Yi-bo, LI Wen, et al(322)  
Effect of Different Methods of Making Models of Blood Stasis Syndrome on Hepatic Metastasis in Tumor-Bearing Mouse Models ..... PAN Yong-ming, YANG Yu-wei, LIU Rui-min, et al(326)  
Effects of Passive Smoking on Rat Ovarian Estrogen and Progesterone and Their Receptors ..... YIN Chong-gao, LI Ruo-bao, LI Hong-li, et al(331)  
Correlation of Experimental Acid Aspiration and Pulmonary Fibrosis in Rats ..... CHEN Shi, ZHANG De-ping(335)  
Establishment of a LPS-Induced Rat Model of Abortion and the Effect of Astragalus Polysaccharin on It ..... WU Yu-hong, WEI Yan-ming, GUO Yan-sheng(341)  
Safety Evaluation of DNA Vaccine pVAX1-CpG-Loop against Infectious Canine Hepatitis Virus ..... GUO Rui-min, ZHANG Long, FENG Zhi-lan, et al(345)  
Influence of Excision of Adrenal Gland on the Sensitivity to Experimental Autoimmune Encephalomyelitis in Rats ..... SHOU Qi-yang, CHEN Fang-ming, JIA Lin-chao, et al(350)  
Research Method on Laboratory Exposure of Environmental Estrogens ..... LIU Jing-liang, PAN Xue-jun, HUANG Bin, et al(355)  
Current Status of Research on Animal Models of Experimental Ischemic Stroke ..... QU Hui-hua, ZHAO Yan, LU Jian-qiu, et al(360)