



ISSN 1004-8685
CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2014年12月 第24卷 第23期

Dec.2014 Vol.24 No.23

国家卫生和计划生育委员会主管
中华预防医学会主办

CHINESE
JOURNAL OF HEALTH
LABORATORY TECHNOLOGY

中文核心期刊

中国科技论文统计源期刊(中国科技核心期刊)

RCCSE 中国核心学术期刊(A-)

中国生物医学源期刊

美国化学文摘(CA)源期刊

中国学术期刊综合评价数据库源期刊

CJ
HLT

23
2014

ISSN 1004-8685



9 771004 868149

中华预防医学会系列杂志

SERIAL JOURNAL OF CHINESE PREVENTIVE MEDICINE ASSOCIATION

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

半月刊 1991 年创刊 第 24 卷 第 23 期 2014 年 12 月 10 日出版

主管

中华人民共和国国家卫生和计划生育委员会
100044,北京市西城区西直门外南路 1 号

主办

中华预防医学会
100021,北京市朝阳区劲松东口华泰饭店

社长总编

张绍武

副社长

张甜 姜友珍

副总编

郁庆福 李桂英 张克荣

编辑部主任

杨锋

责任编辑

黄霁秋 白云

编辑

中国卫生检验杂志编委会

出版

中国卫生检验杂志社
450003 郑州市经一路 12 号

编辑部电话

0371-65978342
0371-65968289(传真)

广告部电话

0371-65998851
15538110112

出版日期

2014 年 12 月 10 日

发行

国内发行:北京市邮政局
邮发代号:80-152
国外发行:中国国际图书贸易总公司
(北京 399 信箱)
国外发行代号:M5752

中国标准连续出版物号

ISSN1004-8685
CN41-1192/R

广告经营许可证号

4100004000124

2014 年版权归中国卫生检验杂志社所有

定 价

每期 21.5 元

目 次

论 著

- 常见市售香皂抑菌效果的比较研究 陈亚兰,郑伟鹏,王梓茗,等 (3345)
肠道微生态对抗性淀粉的作用 范媛媛,宁萍,何太喜,等 (3348)
蚕丝-PLGA 网状支架的力学强度检测及其与骨髓间充质干细胞共培养 张科技,张文元,杨亚冬,等 (3351)
柱前衍生-HPLC 法测定香菇中二硫代氨基甲酸盐类农药残留量 贺东霞 (3354)

化学测定方法

- 果蔬中多效唑的高效液相色谱快速检测方法 谭莹,倪竹南,汤鳌,等 (3361)
BED-CEIA 技术在江西省艾滋病监测重点人群 HIV-1 新发感染率估算中的应用 唐翼龙,易志强,廖清华,等 (3358)

- 液液萃取气相色谱法测定饮用水中百菌清等 12 种农药残留 徐虹,曹文婷,易承学,等 (3363)
优化原子吸收光谱法测尿锰的方法研讨 黄文锋,陈创钦,杨桓照 (3366)

- 超高效液相串联质谱法测定人尿中的 8-羟基脱氧鸟苷 王丽英,杨立新,路杨,等 (3370)

实验研究

本刊编委 (排名不分先后)

李 蓉 濮 萍 何浙生 丁家华
陈守建 叶能权 贾珍珍 何晓青
何建国 许春向 刘秀梅 王志玉
冀元棠 毕永毅 高永清 晁福寰
邹学贤 刘殿武 仓公敖 吕昌银
方赤光 孙成均 栗文元 姜庆五
凌文华 韩玉霞 康维钧 曹 佳
黄国伟 王大宁 窦志勇 孙长颢
廖百森 赵 卓 杨 元 李晓虹
张 曦 谭晓东 裴晓方 任一平
徐东群 栾 燕 潘 慧 王栩东
祁建城 崔 巍 裴少军 吴清平
曾现伟 康 辉 阚 飒 王京宇
曹润武 王 哲 宋宏彬 熊 英

Editorial Board Member

Li Rong, Pu Ping, He Zhesheng, Ding Jiahua,
Chen Shoujian, Ye Nengquan, Jia Zhenzhen, He
Xiaoqing, Hu Jianguo, Xu Chunxiang, Liu Xi-
umei, Wang Zhiyu, Ji Yuantang, Bi Yongyi, Gao
Yongqing, Chao Fuhuan, Zou Xuexian, Liu Dian-
wu, Cang Gongao, Lv Changyin, Fang Chiguang,
Sun Chengjun, Li Wenyuan, Jiang Qingwu, Ling
Wenhua, Han Yuxia, Kang Weijun, Cao Jia,
Huang Guowei, Wang Daning, Dou Zhiyong, Sun
Changhao, Liao Baisen, Zhao Zhuo, Yang Yuan, Li
Xiaohong, Zhang Xi, Tan Xiaodong, Pei Xiaofang,
Ren Yiping, Xu Dongqun, Luan Yan, Pan Hui,
Wang Xudong, Qi Jiancheng, Cui Wei, Pei Shao-
jun, Wu Qingping, Zeng Xianwei, Kang Hui, Kan
Biao, Wang Jingyu, Cao Runwu, Wang Zhe,
Song Hongbin, Xiong Ying

网 址

www.cdc999.com

投稿电子信箱

wsjyzz@126.com

印 刷

鑫宏源印刷包装有限责任公司

来稿咨询电话

010 - 84030401

液体型 MPT - NAG 匀相速率法试剂测定 NAG 活性

..... 方芳,连国军,赵长容,等 (3373)

食品与药品检验

亲水作用色谱法测定茶叶中茶氨酸的方法学研究

..... 孙丽华,江月仙,鲁健章,等 (3376)

双重 PCR 鉴别牛、羊肉掺假 杨冬燕,杨永存,李浩,等 (3379)

高效液相色谱法同时检测肉制品中 9 种合成色素

..... 王志园,谭莹,王天娇,等 (3383)

改良酶抑制法快速检测稻谷中有机磷农药残留

..... 谢俊平,陈威,卢新,等 (3387)

高效液相色谱法测定保健食品中 α -硫辛酸含量的研究

..... 甘宾宾,刘培杰,曾永芳 (3389)

固相萃取 - 高效液相色谱法测定食品中 2-(4-甲氧基苯氧基)-丙酸

钠 马建明,龚文杰,邬晨阳,等 (3392)

微生物检测方法

细菌鉴定仪、显色培养基与 *mecA* 基因扩增法鉴定 MRSA 比较

..... 刘国栋,何秀娟,王劲,等 (3395)

增菌液及增菌时间对空肠弯曲菌检测率的影响

..... 熊海平,张伟,许海燕,等 (3397)

一起沙门菌食物中毒的检测与溯源分析

..... 刘玉霞,陈旭,李红叶,等 (3400)

2 种染色方法查找痰中结核杆菌的比较

..... 曾希鹏,张小芬,陈烨 (3402)

布鲁杆菌病 3 种血清学检测方法比较分析 董文杰,解英波 (3405)

2013 年张掖市发热呼吸道症候群细菌多重 PCR 检测结果分析 王冬玲,于爱红 (3407)

One - step RT - PCR - RFLP 方法筛查新型甲型 H1N1 流感病毒 Oseltamivir 耐药株

..... 熊英,施勇,李健雄,等 (3409)

临床检验

妊娠高血压综合征患者胎盘组织中 VEGF、HIF - 1 α 的表达及意义 钱小泉,施赛欧,张旻岚,等 (3412)

线性免疫印迹法检测抗 60 kD Ro/SSA IgG 抗体的对比分析 劳小斌,何懿,罗宇维,等 (3415)

衢州地区宫颈病变女性感染人乳头状瘤病毒分布特点的研究 朱庆文,杨红斌,余晓 (3417)

丽水历史细菌战幸存者病原检测分析 叶碧峰,王晓光,雷永良,等 (3420)

应用 TCT 标本检测高危 HPV E6/E7mRNA 在宫颈病变筛查中的价值 应香岚,赵湘婉,吴晨曦,等 (3422)

2009 年 - 2013 年余姚市中医医院 2 390 例妇女 HPV 感染情况分析 余小定,陈盈盈,赵莹 (3425)

再生障碍性贫血骨髓小粒细胞成分分析 杨利,王凤仁 (3428)

儿童代谢综合征血清瘦素水平变化及其临床意义 王惠庭,管敏昌,汤卫红,等 (3430)

粪便中隐孢子虫的提取与检测方法的建立 黄达娜,唐屹君,李迎慧,等 (3433)

胃幽门螺杆菌感染情况诊断中快速尿素酶试验检测应用的价值 王翔军,任永强,王新花 (3436)

大便漂浮集卵新法 吴寒 (3438)

分子诊断与基因检测

MS - HRM 技术定量检测喉鳞癌 *Syk(L)* 基因启动子甲基化的方法及意义 李志海,蔡志毅,金巧智,等 (3440)

血清 GP73 与 *RASSF1A* 基因启动子区甲基化检测对肝癌的诊断价值 李宇宁,汪永强 (3443)

抗 HIV - 1 治疗后病毒学失败患儿的耐药基因型分析 马同锁,赵景茹 (3447)

监测分析

2013 年无锡市流感病毒流行特征与人群流感抗体水平分析 马广源,凌霞,鲍静,等 (3450)

2012 年 - 2013 年襄阳市农村饮水工程水质监测结果分析 张金枝 (3453)

- 元江县 2013 年人群麻疹抗体水平监测结果分析 周燕华, 端海涛, 潘海燕, 等 (3455)
- 许昌市 2011 年 - 2013 年流感监测及病毒流行特征分析 从克, 夏晖 (3457)
- 清远市某工业区农村饮用水重金属健康风险评价 何健飞, 王国彬, 赖婧 (3460)
- 宁德市部分市售食品重金属污染状况监测分析 邱汉泉, 刘伟 (3463)
- 遵义市 2013 年流感监测结果分析 何柳, 朱琳, 赵明伍, 等 (3465)

调查报告

- 合成革水性与溶剂型聚氨酯树脂对作业场所空气质量影响比较 丁云龙, 雷永良, 应国祥, 等 (3468)
- 男性不育患者精子质量与生殖激素关系的研究 王荣香, 毛金观 (3470)
- 袋泡茶剂保健食品铅、砷浸出率和人群摄入量研究 李春雨, 赵耀, 张炎, 等 (3472)
- 北京市西城区 2013 年麻疹病毒 H1 基因型的流行情况分析 张晶波, 崔京辉, 王永全, 等 (3475)

细菌耐药性研究

- 肛周脓肿病原菌分布及耐药性分析 王赛君, 殷黎, 杨云, 等 (3479)
- 332 例复治肺结核患者一线抗结核药物耐药情况分析 车洋, 于梅, 许国章, 等 (3481)
- 主动外排泵系统 qacA/B、杀白细胞素与耐甲氧西林金黄色葡萄球菌耐药性的研究 郭震, 张燕莲, 陈传, 等 (3484)
- 肾病患者尿培养阳性菌种分布及耐药性分析 陈松楠, 李姝华, 菅强, 等 (3488)
- Xpert 结核分枝杆菌/利福平试验快速诊断儿童结核病及其耐药性的研究 周蕾, 王海, 朱明利 (3490)

教学与实验室管理

- 浅谈临床微生物检验的实习教学 郭小兵, 马俊芬, 刘红春, 等 (3493)

经验交流

- 浅议生活饮用水中氯化物检测方法 – 硝酸银容量法 刘学彬, 曾泽华 (3495)

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 24 Number 23 December 10, 2014

Managed by

National Health and Family Planning Commission
of the People's Republic of China
No. 1, Xizhimen Wainan Road, Xicheng District, Beijing, 100044

Sponsored by

Chinese Preventive Medicine Association
Hua Tai Hotel, East Exit of Jinsong Road, Chaoyang District, Beijing, 100021

Editor in Chief

Zhang Shaowu

Deputy Chairman

Zhang Tian, Jiang Youzhen

Associate Editor in Chief

Yu Qingfu, Li Guiying, Zhang Kerong

Director of Editorial Department

Yang Feng

Editor in Charge

Huang Jiqiu, Bai Yun

Edited by

Editorial Board of Chinese Journal of Health Laboratory Technology

Published by

Editorial Department of Chinese Journal of Health Laboratory Technology
No. 12, Jingyi Road, Zhengzhou, 450003

Editorial office telephone

0371-65978342
0371-65968289 (Fax)

Advertising department telephone

0371-65998851
15538110112

Publication Date

December 10, 2014

Domestic Distributor

Beijing Post Bureau
Code No.: 80-152

Overseas Distributor

China International Book Trading Corporation
(P. O. Box 399, Beijing, China)
Code No.: M5752

Website

www.cdc999.com

E-mail

wsjyzz@126.com

Standard Series Number

ISSN1004-8685
CN41-1192/R

Advertising Management License

410004000124

Copyright 2014 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price

RMB ¥21.5

CONTENTS IN BRIEF

Original Articles

Comparative study on the antibacterial effect of common commercially available soap CHEN Ya-lan, ZHENG Wei-peng, WANG Zi-ming, et al (3345)

Effects of Intestinal micro ecology on resistant starch FAN Yuan-yuan, Ning-Ping, HE Tai-xi, et al (3348)

Detection on mechanical property of mesh-shaped silk-PLGA scaffold and its co-culture with rabbit bone marrow-derived mesenchymal stem cells ZHANG Ke-ji, ZHANG Wen-yuan, YANG Ya-dong, et al (3351)

Determination of dithiocarbamates residues in lentinus edodes by pre-column derivation HPLC HE Dong-xia (3354)

The application of BED-CEIA in the estimate of HIV-1 new infections rates among key AIDS surveillance population in Jiangxi province TANG Yi-long, YI Zhi-qiang, LIAO Qing-hua, et al (3358)

Chemical Detection Method

Rapid determination of Pacllobutrazol in vegetables and fruits by high performance liquid chromatography TAN Ying, NI Zhu-nan, TANG Jun, et al (3361)

Determination of 12 pesticide residues in drinking water by liquid-liquid extraction and gas chromatography XU Hong, CAO Wen-ting, YI Cheng-xue, et al (3363)

Research on the optimizing the atomic absorption spectrometry of manganese in urine HUANG Wen-feng, CHEN Chuang-qin, YANG Huan-zhao (3366)

Determination of 8-OHdG in human urine by ultra-high performance liquid chromatography tandem mass spectrometry WANG Li-ying, YANG Li-xin, LU Yang, et al (3370)

Experimental Study

- Determination the NAG activity by new stable liquid homogeneous assay of N – acetyl – beta – D – glucosaminidase with MPT – NAG as Substrate** FANG Fang, LIAN Guo – jun, ZHAO Chang – rong, *et al* (3373)

Food and Drug Inspection

- Research on the method of determination of theanine in tea by hydrophilic interaction chromatography**
..... SUN Li – hua, JIANG Yue – xian, LU Jian – zhang, *et al* (3376)

- Identification of adulteration in mutton and cattle by duplex PCR**

..... YANG Dong – yan, YANG Yong – cun, LI Hao, *et al* (3379)

- Determination of nine artificial pigments in meat products by high performance liquid chromatography**

..... WANG Zhi – yuan, TAN Ying, WANG Tian – jiao, *et al* (3383)

- Improvement of enzyme inhibition method for rapid detection of organophosphate pesticide residues in rice**

..... XIE Jun – ping, CHEN Wei, LU Xin, *et al* (3387)

- Determinating the content of lipoic acid in health food by HPLC** ... GAN Bin – bin, LIU Pei – jie, ZENG Yong – fang (3389)

- Determination of sodium 2 – (4 – methoxy phenoxy) propionate in foods by solid – phase extraction and high – performance liquid chromatography** MA Jian – ming, GONG Wen – jie, WU Chen – yang, *et al* (3392)

Microbe Detection Method

- Comparison of auto bacteria identification system, CHROMagar and *mecA* PCR on the detection of MRSA**

..... LIU Guo – dong, HE Xiu – Juan, WANG Jin, *et al* (3395)

- The impact of enrichment broth and enrichment time on detection rate of *Campylobacter jejuni***

..... XIONG Hai – ping, ZHANG wei, XU Hai – yan, *et al* (3397)

- Analyze on the detection and source tracing of *salmonella* from food poisoning**

..... LIU Yu – xia, CHEN Xu, LI Hong – ye, *et al* (3400)

- Comparison of *Mycobacterium tuberculosis* detection from sputum with two different stain methods**

..... ZENG Xi – peng, ZHANG Xiao – fen, CHEN Ye (3402)

- A comparative analysis of the three kinds of brucellosis serological detection methods**

..... DONG Wen – jie, XIE Ying – bo (3405)

- Multiple PCR detection results analysis of fever respiratory syndrome bacteria in Zhangye in 2013**

..... WANG Dong – ling, YU Ai – Hong (3407)

- Screening Oseltamivir resistant strains in pandemic influenza A(H1N1) virus by a One – step RT – PCR/restriction fragment lengthpolymorphism assay** XIONG Ying, SHI Yong, LI Jian – xiong, *et al* (3409)

Clinical Laboratory Test

- Expression and significance of the VEGF, HIF – 1 α test in the placental tissue of pregnancy induced hypertension syndrome**

..... QIAN Xiao – quan, SHI Sai – ou, ZHANG Min – lan, *et al* (3412)

Comparison and analysis on the measurement of antibody against 60 kD Ro/SSA IgG by linear immunoblotting method	LAO Xiao - bin, HE Yi, LUO Yu - wei, et al	(3415)
Research on the distribute characteristics of human papilloma virus infections among cervical lesions women in Quzhou	ZHU Qing - wen, YANG Hong - bin, YU Xiao	(3417)
Analysis of pathogens in the body of the biological warfare survivors in Lishui	YE Bi - feng, WANG Xiao - guang, LEI Yong - liang, et al	(3420)
The value of applying TCT specimens for detecting high - risk HPV E6/E7 mRNA in the screening of the uterine cervical lesions	YING Xiang - lan, ZHAO Xiang - wan, WU Chen - xi, et al	(3422)
Analysis of the 2 390 cases of HPV infection among women in traditional chinese medicine hospital of Yuyao between 2009 and 2013	YU Xiao - ding, CHEN Ying - ying, ZHAO Ying	(3425)
Analysis of bone marrow parvule cell in aplastic anemia	YANG Li, WANG Feng - ren	(3428)
The changes and significance of leptin in serum of metabolic syndrome in children	WANG Hui - ting, CUAN Min - chang, TANG Wei - hong, et al	(3430)
The establishment of extracting and detecting the <i>cryptosporidium</i> in human stool samples	HUANG Da - na, TANG Yi - jun, LI Ying - hui, et al	(3433)
The application value of rapid urease test applied in diagnosis of <i>Helicobacter pylori</i> infection	WANG Xiang - jun, REN Yong - qiang, WANG Xin - hua	(3436)
The new flotation approach of collecting eggs in the stool	WU Han	(3438)
Molecular Diagnosis and Gene Detection		
Quantitative determination for methylation level <i>Syk(L)</i> promoter by MS - HRM in human laryngeal squamous cell carcinoma and its clinical significance	LI Zhi - hai, CAI Zhi - yi, JIN Qiao - zhi, et al	(3440)
The study of Golgi protein 73 and <i>RASSF1A</i> promoter hypermethylation in the diagnosis of hepatocellular carcinoma	LI Yu - ning, WANG Yong - qiang	(3443)
Analysis of HIV - 1genotypic drug resistance among children with virological failure after antiretroviral therapy	MA Tong - suo, ZHAO Jing - ru	(3447)
Monitoring and Analysis		
Analysis on influenza virus epidemic characteristics and population antibody level of influenza in Wuxi in 2013	MA Guang - yuan, LING Xia, BAO Jing, et al	(3450)
Analysis of the monitoring results of Xiangyang rural drinking water quality between 2012 and 2013	ZHANG Jin - zhi	(3453)
Surveillance results and analysis on measles antibody level of population in Yuanjiang in 2013	ZHOU Yan - hua, DUAN Hai - tao, PAN Hai - yan, et al	(3455)
Influenza monitoring and epidemic character of the virus from 2011 - 2013 in Xuchang	CONG Ke, XIA Hui	(3457)

Health risk assessment of heavy metal in rural drinking water in a certain industrial zone of Qingyuan city	.....	HE Jian - fei, WANG Guo - bin, LAI Jing (3460)
Surveillance and analysis on the heavy metal contamination of some commercially available food in Ningde	.....	QIU Han - quan, LIU Wei (3463)
Analysis on monitoring results of influenza in Zunyi in 2013	.....	HE Liu, ZHU Lin, ZHAO Ming - wu, et al (3465)
Investigation Report		
Comparison on the effect of synthetic leather based water and solvent polyurethane resin on the air quality of the workplace	.....	DING Yun - long, LEI Yong - liang, YING Guo - xiang, et al (3468)
Study on the relationship of sperm quality and reproductive hormone levels in infertile men	.....	WANG Rong - xiang, MAO Jin - guan (3470)
Study on the leaching rates and intake of lead and arsenic of teabag - type healthy foods	.....	LI Chun - yu, ZHAO Yao, ZHANG Yan, et al (3472)
An epidemic analysis of measles virus genotype H1 in 2013 of Xicheng district, Beijing	.....	ZHANG Jing - bo, CUI Jing - hui, WANG Yong - quan, et al (3475)
Bacterial Resistance Research		
Pathogenic bacteria distribution and drug resistance analysis of perianal abscess	.....	WANG Sai - jun, YIN Li, YANG Yun, et al (3479)
Drug - resistance analysis of clinical anti - tuberculosis drugs for 332 retreatment tuberculosis patients	.....	CHE Yang, YU Mei, XU Guo - zhang, et al (3481)
Study the drug resistance of the active efflux pump system qacA/B, Panton - Valentine leukocidin and <i>Methicillin - resistant Staphylococcus aureus</i>	.....	GUO Zhen, ZHANG Yan - lian, CHEN Chuan, et al (3484)
Species distribution and drug resistance analysis of urine cultured positive strains in patients with nephropathy	.....	CHEN Song - nan, LI Shu - hua, JIAN Qiang, et al (3488)
Study on the rapid diagnosis of <i>Mycobacterium tuberculosis</i> and drug resistance in children patients based on Xpert MTB/RIF test	.....	ZHOU Lei, WANG Hai, ZHU Ming - li (3490)



九强生物



我们的实力:

CysC国家标准物质制备



九强生物实验室参与CysC国家标准物质研制工作：
 • 承担标准物质制备工作
 • 参与标准物质定值工作
 • 完成标准物质互换性测试

863计划



自2011年起，九强生物成为“863计划”《体外诊断技术产品开发重大项目》“心脑血管慢性损伤及急救指标等体外诊断试剂的研制”项目成员之一。

2014年，九强生物牵头863计划《人体营养素检测关键技术与产品开发》主题项目“人体维生素与抗氧化能力等检测系统及配套试剂的研发”课题。

课题编号：2014AA022304。

连续九年上榜福布斯



2006年-2014年，九强生物连续九年被评为“福布斯中国潜力企业”。



彩虹计划

Customer Requirement Planning

客户关怀计划

网络
信息平台

微信
服务平台

专属
宣传彩页

追求卓越 做就未来

北京九强生物技术股份有限公司

金斯尔·九强生物旗下体外诊断试剂品牌

免费咨询电话：800 810 0197/1373

我们汇聚力量，为您私人定制。