



ISSN QK1842093

CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2018年8月 第28卷 第15期

Aug.2018 Vol.28 No.15

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

CJ
HLT

RCCSE 中国核心学术期刊

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

15

2018

ISSN 1004-8685



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 28 卷 第 15 期 2018 年 8 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,北京市朝阳区华威里 25 号 5 层

名誉总编
丛玉隆

社 长
张绍武

总 编
徐英春

常务副社长
杨 师

副社长
张 甜 姜友珍

副总编
李永哲 沈立松 林丽开 应斌武 姜晓峰
徐国宾 郁庆福 李桂英 张克荣

编辑部主任
杨 锋

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 2288 信箱

编辑部电话
0371 - 65978342
0371 - 65968289 (传真)

广告部电话
0371 - 65998851
15538110112

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
ISSN 1004 - 8685
CN 41 - 1192/R

广告经营许可证号
4100004000124

2018 年版权归中国卫生检验杂志社所有

定 价
每期 38 元

目	次
论 著	
球松素对 C3H10T1/2 细胞成脂分化的抑制作用研究	
..... 沈颖芝,高承贤,黄伟鹏,等 (1793)	
QuEChERS - 气相色谱 - 质谱法检测果品中 41 种有机磷类农药残留	
..... 段夏菲,曾雅,李映霞,等 (1797)	
珠海市男男性行为人群 HIV - 1 感染者基因突变分析	
..... 林毅雄,魏泉德,张丽荣,等 (1803)	
超高效液相色谱法同时测定奶茶饮品中的 10 种添加剂	
..... 曾永芳,覃昆飞,李菡 (1806)	
化学测定方法	
固相萃取 - 气相色谱 - 质谱法测定山茶油中 4 种氯丙醇酯	
..... 周华,吴香伦,祝华明,等 (1810)	
电感耦合等离子体质谱法同时测定地表水中的溴和碘	
..... 秦愫妮,雷超海,俞建国,等 (1814)	

本刊编委 (排名按笔画排列)

丁家华 仓公放 方赤光 王 旻
王 哲 王大宁 王志玉 王京宇
王凯娟 王栩东 毋福海 冯晓燕
叶能权 毕永毅 刘玉龙 刘运德
刘秀梅 刘殿武 吕玉民 吕昌银
祁建城 任一平 孙长颢 孙成均
许春向 陈守建 何建国 何浙生
何晓青 李 蓉 李 磊 李明武
李晓虹 宋宏彬 吴清平 杨 元
张 蒙 张 曦 张贺秋 邹学贤
姜庆五 赵 卓 赵雁林 高永清
贾珍珍 栗文元 凌文华 栾 燕
徐东群 曹 佳 晁福寰 崔 巍
常风启 黄国伟 康 辉 康维钧
韩玉霞 韩学尧 曾现伟 窦志勇
溥 萍 阚 飙 廖百森 裴少军
裴晓方 谭晓东 熊 英 潘 慧
冀元棠 穆新林

Editorial Board Member

DING Jia - hua, CANG Gong - ao, FANG Chi -
guang, WANG Min, WANG Zhe, WANG Da -
ning, WANG Zhi - yu, WANG Jing - yu, WANG
Kai - juan, WANG Xu - dong, WU Fu - hai,
FENG Xiao - yan, YE Neng - quan, BI Yong -
yi, LIU Yu - long, LIU Yun - de, LIU Xiu - mei,
LIU Dian - wu, LV Yu - min, LV Chang - yin,
QI Jian - cheng, REN Yi - ping, SUN Chang -
hao, SUN Cheng - jun, XU Chun - xiang, CHEN
Shou - jian, HE Jian - guo, HE Zhe - sheng,
HE Xiao - qing, LI Rong, LI Lei, LI Ming - wu,
LI Xiao - hong, SONG Hong - bin, WU Qing -
ping, YANG Yuan, ZHANG Meng, ZHANG Xi,
ZHANG He - qiu, ZOU Xue - xian, JIANG Qing -
wu, ZHAO Zhuo, ZHAO Yan - lin, GAO Yong -
qing, JIA Zhen - zhen, LI Wen - yuan, LING
Wen - hua, LUAN Yan, XU Dong - qun, CAO
Jia, CHAO Fu - huan, CUI Wei, CHANG Feng -
qi, HUANG Guo - wei, KANG Hui, KANG Wei -
jun, HAN Yu - xia, HAN Xue - yao, ZENG
Xian - wei, DOU Zhi - yong, PU Ping, KAN Biao,
LIAO Bai - sen, PEI Shao - jun, PEI Xiao - fang,
TAN Xiao - dong, XIONG Ying, PAN Hui, JI
Yuan - tang, MU Xin - lin

网 址

www. zgwsjy. cn

投稿电子信箱

wsjyzz@126. com

印 刷

河北鑫兆源印刷有限公司

固相萃取 - 气相色谱质谱内标法测定茶叶中噻螨酮和啮螨醚

..... 王秀丽,贾彦博,李玮,等 (1817)

电感耦合等离子体质谱法测定生活饮用水中的 30 种元素

..... 马爱英,刘卫东 (1821)

固相萃取净化 - 气相色谱法测定酱腌菜中 4 种对羟基苯甲酸酯类防腐剂

..... 刘家阳 (1825)

实验研究

哮喘大鼠肺组织 Lyn 激酶 mRNA 和蛋白表达的检测及意义

..... 蒋珍凤,范广民,童夏生,等 (1827)

体外培养制备促甲状腺激素单抗及应用

..... 李桂林,孙静静,赵巧辉,等 (1831)

微生物检测方法

耐碳青霉烯肺炎克雷伯菌耐药机制及耐药性分析

..... 宫雪,王勇,李慧玲,等 (1834)

可视化登革热病毒 1 型 ~ 3 型 RT - LAMP 快速分型检测研究

..... 张菊蓉,何平,胡蓉 (1837)

鲍曼不动杆菌临床耐药情况及 AmpC 酶基因型分析

..... 胡丹女 (1841)

酸奶中乳酸菌计数不确定度的评定	秦文,王丽媛,王晶波,等	(1844)
北京市朝阳区 2008 年-2016 年健康人群不同血清群脑膜炎奈瑟菌抗生素体外敏感性分析		
.....	郝民,王恒伟,宋衍燕,等	(1847)
2015 年深圳市宝安区 5 岁以下住院儿童轮状病毒感染情况分析	唐屹君,张海龙	(1850)

临床检验

队列研究 C-反应蛋白在活动性结核病患者全疗程中的变化情况	张国龙,张琳歆	(1853)
杭州市 HIV 感染待确定样本检测结果分析	尤佳女,许珂,张兴亮,等	(1856)
难治性贫血患者益气化瘀法治疗前后调节性 B 细胞功能变化的研究	常珊碧,张宗新,方遁	(1859)
不良妊娠结局患者和正常人群亚甲基四氢叶酸还原酶基因多态性的比较 ...	梁玲芝,许美芬,陈贤君,等	(1862)
曲美他嗪联合辅酶 Q10 治疗心肌病的临床疗效观察	曹选超,黄改荣,段明勤,等	(1865)
抑郁症患者血液营养成分及神经递质炎症因子分析	解瑞宁,张恒,张跃兵,等	(1868)
老年不稳定性心绞痛血清 N 端脑钠肽前体和 β_2 微球蛋白表达的分析	孙建军,杜红梅,田志娟	(1870)
胃溃疡患者血清胃蛋白酶原含量检测及其与机体炎症应激反应的相关关系	尤其,郭辉	(1873)
增生性、非增生性糖尿病性视网膜病变患者血管内皮细胞生长因子、组织激肽释放酶、可溶性细胞间黏附分子-1 水平变化情况	吴剑伟,夏林,赵州	(1876)
急性胰腺炎合并代谢综合征血清铁蛋白、C-反应蛋白和脑钠肽前体水平的影响研究	唐宇峰	(1878)

调查·监测

昆明市售云南普洱茶中铅残留现状调查分析	徐丹先,袁玥,杨萍	(1881)
茂名地区水果、蔬菜中生物农药和化学农药残留状况分析	郑超红,刘辉,何艺梅,等	(1884)

舟山海岛 HIV 抗体不确定者相关影响因素监测分析 顾松叶,王海,吴文杰,等 (1887)

鲁西地区 10 062 例孕妇全血微量元素检测结果及影响因素分析 郭云霄,于敏,周林,等 (1891)

昆明市市售生鲜海产品中致泻性弧菌污染状况研究 李桂满,侯敏,王慧雯,等 (1894)

浙江省钱塘江流域抗生素抗性基因监测分析 范兴丽,金志敏,闻若成,等 (1898)

2014 年浙江省淡水动物性水产品中致病性弧菌污染来源分析 陈鸿鹄,张云怡,占利,等 (1902)

渭南市部分县区生活饮用水中氟化物监测结果分析 郭晶晶,焦莉萍,刘玮,等 (1907)

育肥前期和育肥后期肉猪携带金黄色葡萄球菌监测分析研究 张林,杨小蓉,黄玉兰,等 (1910)

云南省市售饮料微生物的质量分析 刘勤,孙华颖,任杰红,等 (1914)

教学与实验室管理

JCI 标准下结核病实验室生物安全的管理 胡燕琴,戴金华,廖于峰,等 (1917)

经验交流

一起毒鼠强食物中毒的调查报告 夏坪 (1919)

责任编辑 张舒 责任校对 陈欣欣 英文编辑 张蒙 田辉

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 28 Number 15 August 10, 2018

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
Floor 5, No. 25 Huaweili, Chaoyang District, Beijing, 100021

Honorary Editor – in – chief
CONG Yu – long

President
ZHANG Shao – wu

Editor – in – chief
XU Ying – chun

Executive Vice President
YANG Shi

Deputy President
ZHANG Tian, JIANG You – zhen

Deputy Editor – in – chief
LI Yong – zhe, SHEN Li – song, LIN Li – kai,
YING Bin – wu, JIANG Xiao – feng, XU Guo – bin,
YU Qing – fu, LI Gui – ying, ZHANG Ke – rong

Director of Editorial Department
YANG Feng

Edited by
Editorial Board of Chinese Journal of Health Laboratory Technology

Published by
Editorial Department of Chinese Journal of Health Laboratory Technology
Mailbox 2288, No. 12, Jingyi Road, Zhengzhou, 450003

Editorial office telephone
0371 – 65978342
0371 – 65968289 (Fax)

Advertising department telephone
0371 – 65998851
15538110112

Domestic Distributor
Beijing Post Bureau
Code: 80 – 152

Overseas Distributor
China International Book Trading Corporation
(P. O. Box 399, Beijing, China)
Code: M5752

Website
www. zgwsjy. cn

E – mail
wsjyzz@126. com

Standard Series Number
ISSN 1004 – 8685
CN 41 – 1192/R

Advertising Management License
4100004000124

**Copyright 2018 by Editorial Department of
Chinese Journal of Health Laboratory Technology**

Price
RMB ¥38

CONTENTS IN BRIEF

Original Articles

Suppression effect of pinostrobin on adipogenic differentiation of mesenchymal

stem cell C3H10T1/2

SHEN Ying – zhi, GAO Cheng – xian, HUANG Wei – peng, *et al* (1793)

Determination of 41 organophosphorus pesticide residues in fruits by QuECh-

ERS and gas chromatography – mass spectrometry

..... DUAN Xia – fei, ZENG Ya, LI Ying – xia, *et al* (1797)

Analysis of genetic mutation in HIV – 1 infected MSM in Zhuhai

..... LIN Yi – xiong, WEI Quan – de, ZHANG Li – rong, *et al* (1803)

Simultaneous determination of ten food additives in milk tea drinks by ultra

high performance liquid chromatography

..... ZENG Yong – fang, QIN Kun – fei, LI You (1806)

Chemical Detection Method

Determination of four fatty acid esters of chloropropanol in camellia oil by

solid – phase extraction coupled with GC/MS

..... ZHOU Hua, WU Xiang – lun, ZHU Hua – ming, *et al* (1810)

Determination of bromide and iodine in surface water by inductively coupled

plasma mass spectrometry

..... QIN Su – ni, LEI Chao – hai, YU Jian – guo, *et al* (1814)

Determination of hexythiazox and fenazaquin in tea by solid phase extraction – gas chromatographic mass spectrometry with

internal standard method WANG Xiu – li, JIA Yan – bo, LI Wei, *et al* (1817)

Determination of 30 elements in drinking water by inductively coupled plasma – mass spectrometry

..... MA Ai – ying, LIU Wei – dong (1821)

Simultaneous determination of 4 parabens in pickle products by solid phase extraction – gas chromatography

..... LIU Jia – yang (1825)

Experimental Study

Significance of Lyn kinase mRNA and protein detection at asthmatic rat lung tissue

..... JIANG Zhen – feng, FAN Guang – min, TONG Xia – sheng, *et al* (1827)

In vitro preparation and application of TSH monoclonal antibody

..... LI Gui – lin, SUN Jing – jing, ZHAO Qiao – hui, *et al* (1831)

Microbe Detection Method

Resistance mechanism and drug resistance of carbapenem resistant *Klebsiella pneumoniae*

..... GONG Xue, WANG Yong, LI Hui – ling, *et al* (1834)

Rapid visual typing detection of Dengue virus type 1 – 3 by RT – LAMP assays

..... ZHANG Ju – rong, HE Ping, HU Rong (1837)

Clinical drug resistance and AmpC enzyme genotype analysis of *Acinetobacter baumannii* HU Dan – nv (1841)

Uncertainty evaluation of lactic acid bacteria count in yoghurt

..... QIN Wen, WANG Li – yuan, WANG Jing – bo, *et al* (1844)

In vitro sensitivity analysis of antibiotics to different serogroups of *Neisseria meningitidis* in healthy people in Chaoyang District,

Beijing during 2008 – 2016 HAO Min, WANG Heng – wei, SONG Yan – yan, *et al* (1847)

Rotavirus infection status among hospitalized infants under five years old in Bao’an District, Shenzhen in 2015

..... TANG Yi – jun, ZHANG Hai – long (1850)

Clinical Laboratory Test

Cohort study on the change of CRP in active TB patients treatment course ... ZHANG Guo – long, ZHANG Lin – xin (1853)

Test results analysis of indeterminate HIV – infection samples in Hangzhou
..... YOU Jia – nv, XU Ke, ZHANG Xing – liang, *et al* (1856)

Changes of regulatory B cell function in patients with refractory anemia before and after treatment with Yiqi Huayu therapy
..... CHANG Shan – bi, ZHANG Zong – xin, FANG Qiu (1859)

Comparison of *MTHFR* gene polymorphisms in patients with adverse pregnancy outcomes and normal subjects
..... LIANG Ling – zhi, XU Mei – fen, CHEN Xian – jun, *et al* (1862)

Effect observation of trimetazidine combined with coenzyme Q10 in treating cardiomyopathy
..... CAO Xuan – chao, HUANG Gai – rong, DUAN Ming – qin, *et al* (1865)

Analysis of nutritional components of blood and neurotransmitters inflammatory factor in patients with depression
..... XIE Rui – ning, ZHANG Heng, ZHANG Yue – bing, *et al* (1868)

Analysis of serum NT – proBNP and β_2 – MG in elderly patients with unstable angina
..... SUN Jian – jun, DU Hong – mei, TIAN Zhi – juan (1870)

Detection of serum pepsinogen in gastric ulcer patients and its relationship with inflammatory stress response
..... YOU Qi, GUO Hui (1873)

Changes of VEGF, TKLK and sICAM – 1 in patients with proliferative and non proliferative diabetic retinopathy
..... WU Jian – wei, XIA Lin, ZHAO Zhou (1876)

To study the effect of serum Fer, CRP and pro – BNP levels in acute pancreatitis complicated metabolic syndrome
..... TANG Yu – feng (1878)

Investigation and Monitoring

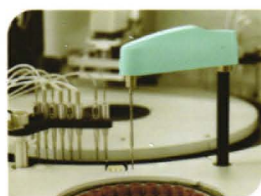
Investigation and analysis of lead residual in commercially available Pu'er tea in Kunming
..... XU Dan – xian, YUAN Yue, YANG Ping (1881)

Residues analysis of biopesticides and pesticides in fruits and vegetables in Maoming	
..... ZHENG Chao – hong, LIU Hui, HE Yi – mei, <i>et al</i> (1884)	
Monitoring and research on the related factors of HIV antibody uncertainty in Zhoushan Islands	
..... GU Song – ye, WANG Hai, WU Wen – jie, <i>et al</i> (1887)	
Detection results and affected factors analysis of trace elements in 10 062 pregnant women	
..... GUO Yun – xiao, YU Min, ZHOU Lin, <i>et al</i> (1891)	
Contamination status of <i>Diarrheal vibrio</i> in commercial seafood in Kunming	
..... LI Gui – man, HOU Min, WANG Hui – wen, <i>et al</i> (1894)	
Monitoring and analysis of antibiotic resistance genes in Qian Tang River basin of Zhejiang Province	
..... FAN Xing – li, JIN Zhi – min, WEN Ruo – cheng, <i>et al</i> (1898)	
Sources of pathogenetic <i>Vibro</i> spp. contaminations in fleshwater products in Eastern China	
..... CHEN Hong – hao, ZHANG Yun – yi, ZHAN Li, <i>et al</i> (1902)	
Analysis of fluoride monitoring results in drinking water in some counties of Weinan	
..... GUO Jing – jing, JIAO Li – ping, LIU Wei, <i>et al</i> (1907)	
Monitoring and analysis of <i>Staphylococcus aureus</i> in the early stage and later stage of fattening pig	
..... ZHANG Lin, YANG Xiao – rong, HUANG Yu – lan, <i>et al</i> (1910)	
Quality analysis of beverage microorganisms in Yunnan Province	
..... LIU Qin, SUN Hua – ying, REN Jie – hong, <i>et al</i> (1914)	

Editor in Charge ZHANG Shu	Responsibility of Proofreading CHEN Xin – xin	English Editor ZHANG Meng TIAN Hui
-----------------------------------	--	---

卓越C1800/1820全自动化学发光检测系统 — 完善的实验室免疫测定解决方案

- 菜单涵盖36种检测项目，满足**主流检测**需求
- 使用双光电倍增管读数检测，**恒速180测试/小时**
- ALP标记+AMPPD底物，**甲状腺激素**等小分子检测更具优势
- 配套项目**溯源**至国际标准品或IFCC标准实验室
- 使用BIO-RAD第三方质控品，随试剂附赠**定标品**



沪食药监械(准)字2014第2401160号

仪器由上海科华实验系统有限公司(上海科华生物工程股份有限公司全资子公司)生产

沪医械广审(文)第2018072532号, 禁忌内容或注意事项详见说明书

创新 启动未来
THE FUTURE STARTS WITH INNOVATION

上海科华生物工程股份有限公司(证券代码 002022)
地址: 上海市徐汇区钦州北路1189号 电话: 021-64850088(总机) www.skhb.com