



ISSN
CN



QK1842863

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

2018年8月 第28卷 第16期

Aug.2018 Vol.28 No.16

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

16

2018

ISSN 1004-8685



9 771004 868587

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 16 期 2018 年 8 月 25 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

TGF - β 1 通过 p38MAPK 信号通路调节大鼠睾丸支持细胞闭锁蛋白表

达的研究 张晓霞,杨建村,魏任雄,等 (1921)

在线衍生 - 高效液相色谱法测定尿中 N - 乙酰 - S - (2 - 氨基甲酰

乙基) - 半胱氨酸 吴诗华,丘静静,郭冠浩,等 (1925)

HLA - G 基因多态性及其表达与儿童免疫性血小板减少症的相关性 ...

..... 李璐,陈伟富,蔡晓红,等 (1928)

增强化学发光酶免疫法测定血清高尔基蛋白 73 方法的建立及应用 ...

..... 肖静,陈文莉,胡龙波,等 (1933)

磁性纳米材料固相微萃取 - 高效液相色谱法测定尿中苯巯基尿酸 ...

..... 谈思维,施燕鹏,邵吉,等 (1938)

化学测定方法

大鼠血清和尿液中 4 种鹅膏肽类毒素代谢特征的超高效液相色谱 - 四

极杆飞行时间串联质谱分析 柳洁,黄海燕,曾灼祥,等 (1941)

本刊编委 (排名按笔画排列)

丁家华 仓公敖 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
常凤启 黄国伟 康 辉 康维钧
韩玉霞 韩学尧 曾现伟 窦志勇
溥 萍 阚 飒 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

超高效液相色谱 - 串联质谱仪同时检测大鼠血浆中 5 种 CYP450 探针药

及其应用 苏克,刘付丽,温从丛,等 (1947)

称量法配制金属元素标准曲线 冯耀基,黎少映,兰红军 (1952)

高效液相色谱 - 串联质谱法测定化妆品中 7 种抗真菌药物

..... 魏华琳,周璞,蒋培,等 (1955)

工作场所空气中三氧化硫和硫酸的氯化钡比浊法的改进

..... 钟透迤,陈映新,曾雁玲,等 (1959)

实验研究

Cocktail 法评价敌敌畏对大鼠 CYP450 亚型酶活性的影响

..... 李君桦,吴海亚,陈东鑫,等 (1961)

微生物检测方法

实时荧光核酸恒温扩增检测技术、胶体金法、酶联免疫法在检测儿童肺炎

支原体感染中的应用比较 岳晓红,宋银森,葛丽丽,等 (1965)

胸外科术后肺部感染的病原菌分布及耐药性分析

..... 胡燕琴,戴金华,俞碧霞,等 (1967)

五大连池火山区天然矿泉水源古菌分布规律

..... 潘虹,方振兴,吴婧,等 (1970)

2013 年 - 2017 年泌尿生殖道支原体感染状况及耐药性研究

..... 杜长宝,吴桔红,杨婷 (1974)

产气肠杆菌药敏情况分析 & Ampc 酶基因型检测 胡丹女 (1978)

临床检验

甲胎蛋白、甲胎蛋白异质体及其比值检测在肝细胞癌诊断中的应用价值研究 俞禾涛,张桢,张永乐,等 (1980)

痰热清注射液中可见异物成因及检查方法探讨 毛丹,夏晶,陈钊,等 (1983)

尿免疫球蛋白 G 水平与非酒精性脂肪性肝病的相关性研究 叶孔钊,唐朝红,张丽,等 (1986)

幽门螺杆菌 *dupA* 基因与十二指肠溃疡关系的 Meta 分析 吴惠芳,朱亦璇,朱以军 (1989)

血清和肽素及降钙素原对骨折术后患者合并肺部感染早期诊断及预后判断的价值 毕晓洁,张甜甜,申月恒,等 (1993)

恶性胸腔积液中性粒细胞和淋巴细胞比值变化及其临床价值 韦文君,孙青阳,张婴嫱,等 (1996)

老年瘙痒症患者血清总 IgE 和外周血嗜酸性粒细胞检测的临床意义 沈惠良,王润,徐新美 (1998)

骨折延迟愈合患者血液流变学、血清黏附分子及骨代谢指标的检测及临床意义 张文莉,孙萍,杜彦懿,等 (2001)

血清类风湿因子和抗环瓜氨酸肽抗体联合检测在类风湿性关节炎诊断中的意义 冯念,卢沈华,潘少华 (2004)

牙周基础治疗联合一清胶囊对慢性牙周炎疗效及相关炎症因子检测意义 蒋红卫,丁见,徐勤业,等 (2007)

尿沉渣细菌定量计数筛查对于泌尿系感染诊断的临床价值 何云霄 (2010)

血清中尿酸、胆固醇及糖化血红蛋白检测在妊娠糖尿病患者中的运用价值 王刚 (2012)

调查 · 监测

绵阳市两区县部分社区、乡镇卫生院生化项目室间质量评价分析 杨小蓉,孙宏英,罗磊,等 (2015)

瓶、桶装饮用水污染物监测分析	梅群,肖植国,吕晋,等	(2019)
血清铁和维生素 B ₁₂ 指标引导治疗及对妊娠结局的影响	陈巧君	(2021)
湖州市 2011 年 - 2016 年手足口病流行病学特征和病原学监测分析	姚文庭,朱新风,吴晓芳	(2024)
2015 年 - 2016 年北京市部分公共场所水中嗜肺军团菌污染状况分析.....	杨丽华,张冬莹,张永,等	(2027)
定西市 2014 年 - 2017 年手足口病病原监测结果分析	贾金霞,李小宁	(2030)
庆阳市 5 693 例无偿献血者人类嗜 T 淋巴细胞病毒的感染情况调查.....	张小霞,韩亚鹏,刘登啟,等	(2033)
仙桃市公共场所集中空调通风系统军团菌污染调查与消毒处理	叶恒平,李进,刘利梅	(2036)
包装饮用水中溴酸盐含量及其影响因素研究	李菡,曾肖寒,曾永芳	(2038)
2014 年 - 2017 年临泽县城乡医疗机构消毒效果分析	丁惠珍,苏彤	(2041)
降钙素原检测试剂盒在 SMART IV 上的性能评价	胡妙芳	(2043)

教学与实验室管理

高效液相色谱 - 质谱法测定化妆品乳膏剂中双酚 A 的不确定度评定	黄湘鹭,冯克然,邢书霞,等	(2045)
---	---------------	--------

责任编辑 杨锋 责任校对 刘迪 英文编辑 张蒙 田辉

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 28 Number 16 August 25, 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 Deputy 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

TGF - β 1 regulates the expression of occludin protein in rat sertoli cell by

p38MAPK signaling pathway

... ZHANG Xiao - xia, YANG Jian - cun, WEI Ren - xiong, *et al* (1921)

Determination of N - acetyl - S - (2 - carbamoyl ethyl) cysteine in urine by

on - line derivatization and high performance liquid chromatography

..... WU Shi - hua, QIU Jing - jing, GUO Guan - hao, *et al* (1925)

Association of HLA - G 14bp gene polymorphisms and plasma sHLA - G level

with the susceptibility for immune thrombocytopenia in children

..... LI Lu, CHEN Wei - fu, CAI Xiao - hong, *et al* (1928)

Establishment and application of an enhanced chemiluminescence enzyme

immunoassay to determine Golgi Protein 73 in serum

..... XIAO Jing, CHEN Wen - li, HU Long - bo, *et al* (1933)

Determination of S - phenylmercapturic acid in urine by solid phase microex-

traction coupled with high performance liquid chromatography

..... TAN Si - wei, SHI Yan - peng, SHAO Ji, *et al* (1938)

Chemical Detection Method

Analysis of four amatoxins and phallotoxins content in rat serum and urine by

ultra performance liquid chromatography quadrupole time - of - flight mass

spectrometry

..... LIU Jie, HUANG Hai - yan, ZENG Zhuo - xiang, *et al* (1941)

Simultaneous determination of bupropion, metoprolol, midazolam, phenacetin and tolbutamide in rat plasma by UPLC – MS/MS

..... SU Ke, LIU Fu – li, WEN Cong – cong, WANG Xian – qin, *et al* (1947)

Weighing method for preparing standard curve of metal elements ... FENG Yao – ji, LI Shao – ying, LAN Hong – jun (1952)

Determination of seven antifungal drugs in cosmetics by high performance liquid chromatography – tandem mass spectrometry

..... WEI Hua – lin, ZHOU Pu, JIANG Pei, *et al* (1955)

Improvement of barium chloride turbidimetry for detection of sulfur trioxide and sulfuric acid in workplace air

..... ZHONG Wei – yi, CHEN Ying – xin, ZENG Yan – ling, *et al* (1959)

Experimental Study

Effect evaluation of dichlorvos on CYP450 isoforms activity in rats by cocktail method

..... LI Jun – hua, WU Hai – ya, CHEN Dong – xin, *et al* (1961)

Microbe Detection Method

Real – time fluorescent nucleic acid amplification at constant temperature, colloidal gold method, comparison of the application

of enzyme – linked immunosorbent assay in the detection of *Mycoplasma pneumoniae* infection in children

..... YUE Xiao – hong, SONG Yin – sen, GE Li – li, *et al* (1965)

Distribution and drug resistance analysis of pathogenic bacteria in patients with postoperative pulmonary infections of thoracic

surgery HU Yan – qin, DAI Jin – hua, YU Bi – xia, *et al* (1967)

Distribution of archaea from natural mineral spring sources in Wudalianchi volcanic region

..... PAN Hong, FANG Zhen – xing, WU Jing, *et al* (1970)

Study of mycoplasma infection and drug resistance in genitourinary tract from 2013 to 2017

..... DU Chang – bao, WU Ju – hong, YANG Ting (1974)

Analysis of antimicrobial susceptibility of *Enterobacter aerogenes* and detection of Ampc enzyme genotype

..... HU Dan – nv (1978)

Clinical Laboratory Test

Clinical value of serum AFP, AFP – L3 and AFP – L3/AFP ratio in primary hepatocellular carcinoma

..... YU He – tao, ZHANG Zhen, ZHANG Yong – le, *et al* (1980)

Study on cause and inspection method of visible foreign particles in Tanreqing Injection
..... MAO Dan, XIA Jing, CHEN Ke, *et al* (1983)

Correlation study between urinary IgG and nonalcoholic fatty liver disease
..... YE Kong - zhao, TANG Chao - hong, ZHANG Li, *et al* (1986)

Relationship between dupA gene in *Helicobacter pylori* and duodenal ulcer: a meta - analysis
..... WU Hui - fang, ZHU Yi - xuan, ZHU Yi - jun (1989)

Detection value and prognosis evaluation of copeptin and procalcitonin in early diagnosis of fracture - associated pulmonary infection after surgery
..... BI Xiao - jie, ZHANG Tian - tian, SHEN Yue - heng, *et al* (1993)

Changes of neutrophil and lymphocyte ratio and the clinical value in malignant pleural effusion
..... WEI Wen - jun, SUN Qing - yang, ZHANG Ying - qiang, *et al* (1996)

Clinical significance of detection of total serum IgE and peripheral blood eosinophils in patients with senile skin pruritus
..... SHENG Hui - liang, WANG Jian, XU Xin - mei (1998)

Detection and clinical significance of blood rheology, serum adhesion molecule and bone metabolism index in patients with delayed union of fracture
..... ZHANG Wen - li, SUN Ping, DU Yan - yi, *et al* (2001)

Significance of combined detection of serum RF and anti CCP antibody in patients with rheumatoid arthritis
..... FENG Nian, LU Shen - hua, PAN Shao - hua (2004)

Significance of periodontal basic therapy combined with Yiqing capsules in efficacy of chronic periodontitis and inflammatory factors detection
..... JIANG Hong - wei, DING Jian, XU Qin - ye, *et al* (2007)

Clinical value of urine sedimentation bacteria quantitative count for diagnosis of urinary tract infection
..... HE Yun - xiao (2010)

Diagnostic value of serum uric acid, cholesterol and glycosylated hemoglobin in diabetic patients with pregnancy
..... WANG Gang (2012)

Investigation and Monitoring

Biochemical quality control analysis of community hospitals and township health centers in two counties of Mianyang
..... YANG Xiao - rong, SUN Hong - ying, LUO Lei, *et al* (2015)

Detection and analysis of contaminant in bottled drinking water	MEI Qun, XIAO Zhi - guo, LV Jin, <i>et al</i>	(2019)
Guide treatment and impact of serum Fe and vitamin B ₁₂ indicators on pregnancy outcomes	CHEN Qiao - jun	(2021)
Epidemiologic features of hand - foot - mouth disease and pathogen monitoring during 2011 - 2016 in Huzhou		
.....	YAO Wen - ting, ZHU Xin - feng, WU Xiao - fang	(2024)
Analysis of contamination status of <i>Legionella pneumophila</i> in some public places of Beijing from 2015 to 2016		
.....	YANG Li - hua, ZHANG Dong - ying, ZHANG Yong, <i>et al</i>	(2027)
Pathogen surveillance analysis of hand, foot and mouth disease in Dingxi from 2014 to 2017		
.....	JIA Jin - xia, LI Xiao - ning	(2030)
Investigation of HTLV virus infection in 5 693 volunteer blood donors in Qingyang		
.....	ZHANG Xiao - xia, HAN Ya - peng, LIU Deng - qi, <i>et al</i>	(2033)
Investigation and disinfection process of <i>Legionella</i> contamination in ventilation system of central air conditioner in public places of Xiantao	YE Heng - ping, LI Jin, LIU Li - mei	(2036)
Study on bromate content in packaged drinking water and its affecting factors		
.....	LI You, ZENG Xiao - han, ZENG Yong - fang	(2038)
Analysis of the disinfection effect of medical institutions in urban and rural areas of Linze county from 2014 to 2017		
.....	DING Hui - zhen, SU Tong	(2041)
Performance evaluation of procalcitonin assay kit on SMART IV	HU Miao - fang	(2043)

Editor in Charge	YANG Feng	Responsibility of Proofreading	LIU Di	English Editor	ZHANG Meng	TIAN Hui
------------------	-----------	--------------------------------	--------	----------------	------------	----------

聚焦区域医学检验中心

美康生物与医院共建区域医学检验中心，提供一站式集约化系统服务

以IVD产品为核心，科研+产品+大数据+服务一体化

信息化

冷链物流

质量完善

科研技术雄厚



产品丰富

综合产业健全

行业优势

响应分级诊疗

以强基层为重点完善分级诊疗服务体系



明确各级各类医疗机构
诊疗服务功能定位。



加强基层医疗卫生人才
队伍建设。



大力提高基层医疗卫生
服务能力。



全面提升县级公立医院
综合能力。



共享

整合推进区域医疗资源
共享。



加快推进医疗卫生信息
化建设。