



ISSN 1004-8685

CN 41-1192/R

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

016年2月 第26卷 第3期

Feb.2016 Vol.26 No.3

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

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

3

ISSN 1004-8685



中华预防医学会系列杂志

SERIAL JOURNAL OF CHINESE PREVENTIVE MEDICINE ASSOCIATION

2016

中国卫生检验杂志

ZHONGGUO WEISHENG JIANYAN ZAZHI

半月刊 1991 年创刊 第 26 卷 第 3 期 2016 年 2 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

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

出版日期

2016 年 2 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

ISSN 1004 - 8685
CN 41 - 1192/R

广告经营许可证号

4100004000124

2016 年版权归中国卫生检验杂志社所有

定 价

每期 21.50 元

目 次

论 著

血浆长链非编码 RNA H19 在原发性肝癌诊断中的价值	
..... 孙一奎,赵枫,王峰,等 (305)	
乙型肝炎病毒抑制 Huh7 细胞 TRIM22 表达的研究	
..... 陈小燕,潘兴飞 (308)	
耐多药结核分枝杆菌临床分离株 <i>rpsL</i> 基因特征分析	
..... 车洋,于梅,平国华,等 (311)	
全自动生化分析仪谷丙转氨酶检测顺序对血清肌酐检测的影响	
..... 欧阳后先,陈寿林,杨胜利,等 (314)	

化学测定方法

固相萃取 - 气相色谱 - 质谱法同时检测饮用水中的 18 种农药残留 ...	
..... 李宏亮,施建芳,周文见,等 (316)	
高效液相色谱 - 串联质谱法测定血浆中的氨基甲酸酯类农药	
..... 王媛,刘华良,朱宝立 (320)	
茶叶中黄曲霉毒素的碘柱后衍生化和光化学柱后衍生化 - 高效液相色谱法比较	
..... 曾涛,罗晓燕,胡国媛,等 (323)	

实验研究

姜黄素调控 COX - 2 表达对内毒素诱导的肠黏膜信号通路转录影响的研究	
..... 杨雪静,侯佳惠,彭来君 (326)	

本刊编委 (排名按笔画排列)

丁家华 仓公敖 方赤光 王 哲
王大宁 王志玉 王京宇 王棚东
毋福海 冯晓燕 叶能权 毕永毅
刘秀梅 刘殿武 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 李晓虹 宋宏彬
吴清平 杨 元 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 曹润武
晁福寰 崔 巍 常风启 黄国伟
康 辉 康维钧 韩玉霞 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 冀元荣

Editorial Board Member

DING Jia - hua, CANG Gong - ao, FANG Chi -
guang, WANG Zhe, WANG Da - ning, WANG
Zhi - yu, WANG Jing - yu, WANG Xu - dong,
WU Fu - hai, FENG Xiao - yan, YE Neng -
quan, BI Yong - yi, LIU Xiu - mei, LIU Dian -
wu, 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 Xiao - hong, SONG Hong - bin, WU
Qing - ping, YANG Yuan, 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, CAO
Run - wu, CHAO Fu - huan, CUI Wei, CHANG
Feng - qi, HUANG Guo - wei, KANG Hui, KANG
Wei - jun, HAN Yu - xia, 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

网 址

www. zgwsjy. cn

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

多功能空气消毒机与紫外线灯在输血科储血室的空气消毒效果比较 ...

..... 邵树军,刘宗健,王征帆,等 (329)

食品与药品检验

离子色谱法测定鲜乳与乳制品中的亚氯酸盐和氯酸盐

..... 李荔,钟志雄 (331)

气相色谱 - 三重四级杆串联质谱法测定蟑螂药及其中毒样品中的乙酰甲

胺磷和残杀威 谷日旭,王彩云 (335)

毛细管柱气相色谱法测定保健食品中的生育酚乙酸酯

..... 张治军,钟名诚,苏涛 (338)

柱后衍生高效液相色谱法测定啤酒中的黄曲霉毒素 B₁、B₂、G₁、G₂

..... 甘源,程莉,何健,等 (341)

邻苯二甲醛 - 柱后衍生 - 高效液相色谱荧光法测定功能型饮料中的牛磺酸

..... 张博,刘思洁,石矛,等 (345)

北京部分市售白酒中 18 种邻苯二甲酸酯类塑化剂含量的检测

..... 刘秀峰,陈东宛,吕金昌,等 (347)

微生物检测方法

改良肝浸液培养基的研制 明儒成,李汝期,王丽平 (350)

γ - 干扰素释放试验在结核病诊断中的临床价值

..... 邵丽佳,胡轶,陈伟,等 (352)

3 种选择性分离培养基检测单核细胞增生李斯特菌效果比较

..... 炊慧霞,崔莹,李艳芬,等 (354)

3 种登革热抗原检测方法的比较 徐菀璐,王宇,杨红梅,等 (358)

临床检验

姜黄素对皮肤鳞状细胞癌 SCL - 1 细胞的去甲基化作用研究

..... 王原,许江燕,陶茂灿,等 (360)

乙型肝炎病毒对 SPINK1 表达的影响	蔡春林, 邬开朗, 祝成亮, 等	(364)
儿童难治性支原体肺炎肺泡灌洗液 IL-8 水平变化及 BAL 联合 MAC 对其影响	管敏昌, 郑锦辉, 汤卫红, 等	(367)
无创产前基因检测技术的临床应用效果分析	窦琳琳, 郭远瑜, 杨国绘	(370)
血站酶联免疫检测联合核酸检测降低输血传播疾病残余风险的效果分析	戚晓东, 臧传邦, 宋雪梅	(373)
联合检测降钙素原和 C-反应蛋白在指导术后感染抗生素应用的价值	董慧敏, 宋志兴, 朱远航, 等	(375)
衡水地区儿童急性呼吸道感染病原体病原学研究分析	许沙沙, 郭连峰, 吴妍, 等	(378)
复发性流产女性内分泌和免疫学因素分析	宫剑, 邢超, 李倩	(381)
抗-HBe 中和实验的检测性能评价	石华, 于海燕	(384)
2 种检测女性杂合子 G6PD 活性的方法比较和探讨	朱冬林, 朱远航, 陈亚琼	(386)

分子诊断与基因检测

粉尘螨 der f 28 的抗原表位特征及三维结构分析	张克才, 胡中旺, 陈菊移	(389)
长春地区儿童疱疹性咽峡炎病原研究	许爽, 刘金香, 吴东林, 等	(391)
2010 年-2013 年宜春市甲型 H3N2 亚型流感病毒 HA1 基因进化分析	魏雄杰, 陈玉红, 陆红云, 等	(394)

监测分析

宁波市鄞州区感染性腹泻细菌病原学监测与分析	李平, 陈懿, 徐景野	(397)
青岛第一海水浴场和第六海水浴场夏季海水细菌学监测及卫生学分析	雷铠璐, 王睿翔, 王哲, 等	(400)
宁夏 HIV 感染者合并梅毒感染状况分析	曹慙, 吴忠兰, 杨东智, 等	(403)
新罗区学龄前儿童食用海鱼摄入汞、砷的健康风险评价	谢恺, 陈美珠, 陈惠琴, 等	(406)
桶装饮用水中铜绿假单胞菌的检测分析	李莉, 朱晓露, 马会会	(409)
贺州市 2010 年-2014 年手足口病流行病学分析	黄朝华, 饶贵平, 赵书银, 等	(411)
1 400 例肝硬化患者流行病学分析	赵治凤, 樊晋宇, 张光谋	(414)

调查报告

口岸医疗器械产品体外细胞毒性结果分析	黄健聪, 秦瑶, 陈彧, 等	(416)
--------------------------	----------------	-------

龙岩市水产品中副溶血性弧菌污染状况及分子特征研究	曹春远,林英华,李美华,等	(419)
嘉兴市自愿咨询检测人群 HIV 感染情况及影响因素分析	葛锐,罗建勇,徐文贤,等	(422)
36 211 份厌氧血培养结果分析	王慧燕,刘彩霞,李方去,等	(425)
武威市婴幼儿肠道腺病毒流行情况调查	卢敏芳,常全娥	(429)
江苏省流动早餐中食源性致病菌污染状况调查	王燕梅,唐震,乔昕,等	(432)
阳山县 468 名入学儿童血脂检测结果分析	何兰香,毛智趣,李志奇,等	(434)
5 313 份血培养结果的阳性总结分析	徐丽慧,王贤军,吴盛海	(437)
2010 年 - 2014 年舟山地区幽门螺杆菌感染的分布特征及其变迁	郑美娜,王晔恺,俞琳	(440)
细菌耐药性研究		
肺炎克雷伯菌碳青霉烯酶基因分布与耐药相关性研究	章如玲,卢玲玲,涂斐佩,等	(442)
2012 年 - 2013 年深圳市罗湖区腹泻患者沙门菌流行特征及耐药情况分析	黎剑华,龙冬玲,卓菲,等	(447)
经验交流		
金黄色葡萄球菌 MPN 计数法结果不确定度评定	董莹,范洪波,勾正伦,等	(450)
影响纳氏试剂法测定水中氨氮实验条件的因素分析	贺金明,毛彩绵	(453)
个案报道		
1 例特殊乙型病毒性肝炎患者的检测结果分析	徐鹏飞	(455)

CHINESE JOURNAL OF HEALTH LABORATORY TECHNOLOGY

Semimonthly Established in 1991, Volume 26 Number 3 February 10, 2016

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 Thai Hotel, East Exit of Jinsong Road, Chaoyang District, Bei-
jing, 100021

Editor in Chief
ZHANG Shao - wu

Deputy Chairman
ZHANG Tian, JIANG You - zhen

Associate Editor in Chief
YU Qing - fu, LI Gui - ying, ZHANG Ke - rong

Director of Editorial Department
YANG Feng

Edited by
Editorial Board of Chinese Journal of Health Labo-
ratory 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

Publication Date
February 10, 2016

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 2016 by Editorial Department of
Chinese Journal of Health Laboratory Technology

Price
RMB ¥21.50

CONTENTS IN BRIEF

Original Articles

- Diagnostic value of long non coding RNA H19 in primary hepatic carcinoma**
..... SUN Yi - kui, ZHAO Feng, WANG Feng, *et al* (305)
- Research on the inhibition of hepatitis B virus on the expression of TRIM22 of Huh7 cells** CHEN Xiao - yan, PAN Xing - fei (308)
- Analysis of the characteristics of *rpsL* gene in the clinical isolates from multi-drug - resistant *Mycobacterium tuberculosis***
..... CHE Yang, YU Mei, PING Guo - hua, *et al* (311)
- Influence of automatic biochemistry analyzer systematical alanine transaminase test order on serum creatinine detection**
... OUYANG Hou - xian, CHEN Shou - lin, YANG Sheng - li, *et al* (314)

Chemical Detection Method

- Simultaneous determination of 18 pesticides in water by solid - phase extrac-
tion - gas chromatography - mass spectrometry**
..... LI Hong - liang, SHI Jian - fang, ZHOU Wen - jian, *et al* (316)
- Determination of carbamate pesticide in plasma by high performance liquid
chromatography - tandem mass spectrometry**
..... WANG Yuan, LIU Hua - liang, ZHU Bao - li (320)
- Comparison of iodine and photochemical derivatization methods after column
separation - high performance liquid chromatography in the determination of
aflatoxins in tea**
..... ZENG Tao, LUO Xiao - yan, HU Guo - yuan, *et al* (323)

Experimental Study

- Study on the effect of curcumin regulating COX - 2 on intestinal mucosal sig-
naling pathway transcription induced by endotoxin**
..... YANG Xue - jing, HOU Jia - hui, PENG Lai - jun (326)

Comparison on the air disinfection effect in blood store room between multi – functional air sterilizer and ultraviolet lamp ...	
.....	SHAO Shu – jun, LIU Zong – jian, WANG Zheng – fan, <i>et al</i> (329)
Food and Drug Inspection	
Determination of chlorite and chlorate in milk and dairy products by ion chromatography	
.....	LI Li, ZHONG Zhi – xiong (331)
Determination of acephate and propoxur in cockroach medicine and its poisoning samples with gas chromatography – triple quadrupole mass spectrometry	GU Ri – xu, WANG Cai – yun (335)
Determination of tocopheryl acetate in health food by capillary column – gas chromatography	
.....	ZHANG Zhi – jun, ZHONG Ming – cheng, SU Tao (338)
Simultaneous determination of aflatoxins B ₁ , B ₂ , G ₁ , G ₂ in beer by post – column photochemical derivatization and high performance liquid chromatography	GAN Yuan, CHENG Li, HE Jian, <i>et al</i> (341)
Determination of taurine in functional drink by o – phthaldialdehyde post – column derivatization – high performance liquid chromatography fluorescence method	ZHANG Bo, LIU Si – jie, SHI Mao, <i>et al</i> (345)
Determination of the 18 types of phthalates plasticizer in part whiter spirits in Beijing	
.....	LIU Xiu – feng, CHEN Dong – wan, LV Jin – chang, <i>et al</i> (347)
Microbe Detection Method	
Development of the modified liver infusion medium	MING Ru – cheng, LI Ru – qi, WANG Li – ping (350)
Clinical value of γ – interferon release test in the diagnosis of tuberculosis	
.....	SHAO Li – jia, HU Yi, CHEN Wei, <i>et al</i> (352)
Comparison on the detection effects of <i>Listeria monocytogenes</i> with three kinds of selective culture media	
.....	CHUI Hui – xia, CUI Ying, LI Yan – fen, <i>et al</i> (354)
Comparison on the three testing methods of dengue fever antigen	
.....	XU Wan – lu, WANG Yu, YANG Hong – mei, <i>et al</i> (358)
Clinical Laboratory Test	
Study on the demethylation effect of curcumin on skin squamous cell carcinoma SCL – 1 cell	
.....	WANG Yuan, XU Jiang – yan, TAO Mao – can, <i>et al</i> (360)
The effect of hepatitis B virus on the expression of SPINK1	
.....	CAI Chun – lin, WU Kai – lang, ZHU Cheng – liang, <i>et al</i> (364)
Changes of IL – 8 levels in bronchoalveolar lavage fluid of children with refractory mycoplasma pneumonia and the effect of BAL combined with MAC on it	GUAN Min – chang, ZHENG Jin – hui, TANG Wei – hong, <i>et al</i> (367)

Analysis of clinical effects of the noninvasive prenatal testing	DOU Lin – lin, GUO Yuan – yu, YANG Guo – hui	(370)
Analysis of the reducing effect of enzyme linked immunosorbent assay combined with nuclear acid test on the residual risks of transfusion transmitted diseases in blood bank	QI Xiao – dong, ZANG Chuan – bang, SONG Xue – mei	(373)
The application value of combined detection of serum procalcitonin and C – reactive protein in the antibiotics – using guidance for postoperative infections	DONG Hui – min, SONG Zhi – xing, ZHU Yuan – hang, <i>et al</i>	(375)
The etiological research and analysis of pathogen in children acute respiratory tract infection in Hengshui area		
.....	XU Sha – sha, GUO Lian – feng, WU Yan, <i>et al</i>	(378)
Analysis of endocrine and immunological factors of women with recurrent abortion		
.....	GONG Jian, XING Chao, LI Qian	(381)
Performance evaluation of neutralization test for anti – HBe detecting	SHI Hua, YU Hai – yan	(384)
Comparison and discussion of two methods for the detection of heterozygote glucose – 6 – phosphate dehydrogenase activity in female	ZHU Dong – lin, ZHU Yuan – hang, CHEN Ya – qiong	(386)

Molecular Diagnosis and Gene Detection

Analysis of the antigen epitope features and three – dimensional structure of dust mite der f 28		
.....	ZHANG Ke – cai, HU Zhong – wang, CHEN Ju – yi	(389)
Pathogenic study on herpangina among children in Changchun	XU Shuang, LIU Jin – xiang, WU Dong – lin, <i>et al</i>	(391)
Research on the genetic evolution of HA1 gene of influenza A viruses H3N2 subtype in Yichun during 2010 – 2013		
.....	WEI Xiong – jie, CHEN Yu – hong, LU Hong – yun, <i>et al</i>	(394)

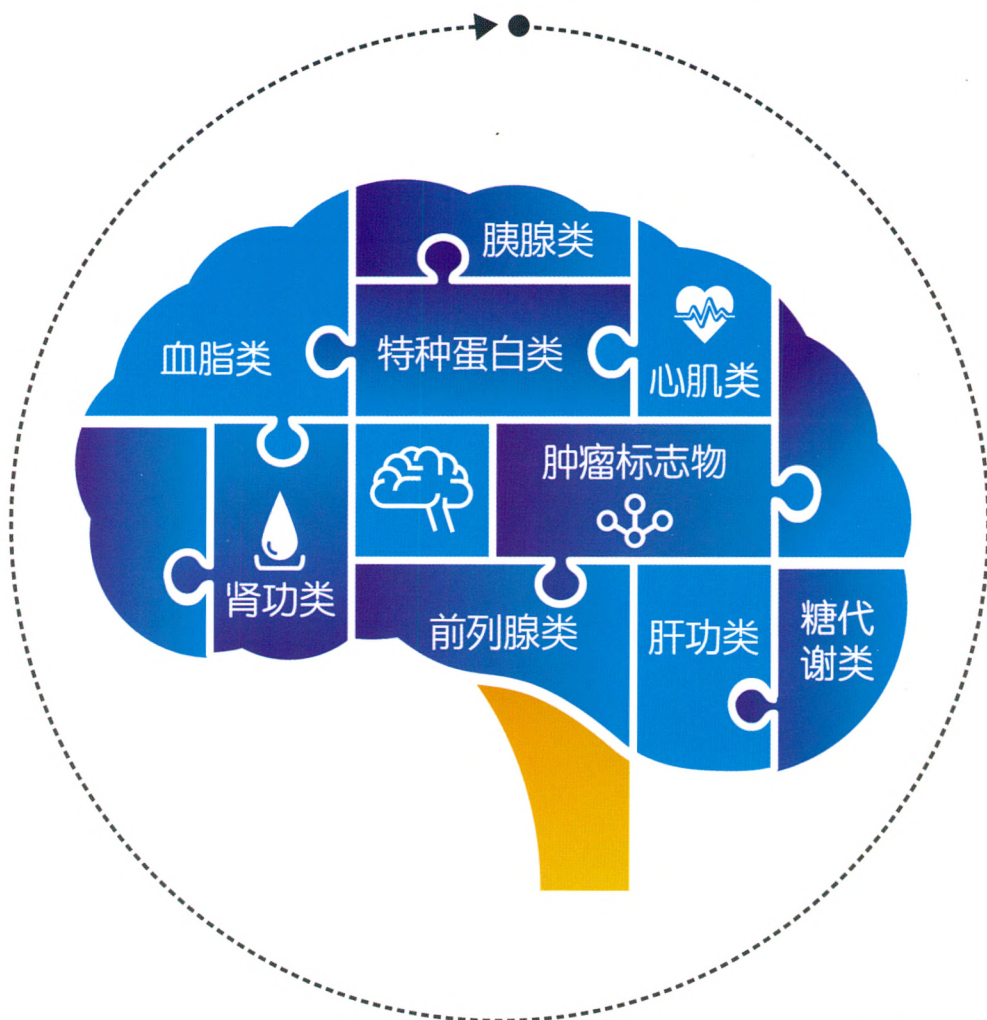
Monitoring and Analysis

Pathogenic bacteria surveillance and analysis on infectious diarrhea in Yinzhou district of Ningbo		
.....	LI Ping, CHEN Yi, XU Jing – ye	(397)
Bacterial monitoring and hygiene analysis of the first and the sixth bathing beaches in Qingdao		
.....	LEI Kai – lu, WANG Rui – xiang, WANG Zhe, <i>et al</i>	(400)
Analysis of infection status of syphilis in patients infected with HIV in Ningxia		
.....	CAO Min, WU Zhong – lan, YANG Dong – zhi, <i>et al</i>	(403)
Health risk assessment of mercury and arsenic ingesting from marine fish among pre – school children in Xinluo district		
.....	XIE Kai, CHEN Mei – zhu, CHEN Hui – qin, <i>et al</i>	(406)
Detection and analysis of <i>Pseudomonas aeruginosa</i> in bottled drinking water	LI Li, ZHU Xiao – lu, MA Hui – hui	(409)
Epidemical analysis of hand – foot – mouth disease in Hezhou from 2010 to 2014		
.....	HUANG Chao – hua, RAO Gui – ping, ZHAO Shu – yin, <i>et al</i>	(411)

Epidemiological analysis of 1 400 patients with cirrhosis	ZHAO Zhi - feng, FAN Jin - yu, ZHANG Guang - mou	(414)
Investigation Report		
Analysis of the vitro cytotoxicity detection results in medical devices at port	 HUANG Jian - cong, QIN Yao, CHEN Yu, <i>et al</i>	(416)
Study on the pollution status and molecular characteristics of <i>Vibrio parahaemolyticus</i> in Longyan aquatic products	 CAO Chun - yuan, LIN Ying - hua, LI Mei - hua, <i>et al</i>	(419)
Analysis of the HIV detection results and related influence factors among people for voluntary counseling and testing in Jiaying	 GE Rui, LUO Jian - yong, XU Wen - xian, <i>et al</i>	(422)
Analysis of the culture results of 36 211 anaerobic blood	 WANG Hui - yan, LIU Cai - xia, LI Fang - qu, <i>et al</i>	(425)
Survey on the prevalence of intestinal adenovirus in infants and young children in Wuwei	 LU Min - fang, CHANG Quan - e	(429)
Research on the food - borne pathogens contamination in takeaway breakfast in Jiangsu	 WANG Yan - mei, TANG Zhen, QIAO Xin, <i>et al</i>	(432)
Analysis of blood lipid test results of 468 enrolled children in Yangshan	 HE Lan - xiang, MAO Zhi - qu, LI Zhi - qi, <i>et al</i>	(434)
Analysis of positive results from 5 313 cases of blood culture	 XU Li - hui, WANG Xian - jun, WU Sheng - hai	(437)
Distribution characteristics and changes of <i>Helicobacter pylori</i> infections in Zhoushan from 2010 to 2014	 ZHENG Mei - na, WANG Ye - kai, YU Lin	(440)
Bacterial Resistance Research		
Study on the gene distribution and drug resistance of carbapenemases in <i>Klebsiella pneumoniae</i>	 ZHANH Ru - ling, LU Ling - ling, TU Fei - pei, <i>et al</i>	(442)
Analysis of epidemiological characteristics and drug resistance of <i>Salmonella</i> isolated from patients with diarrhea in Luohu district of Shenzhen during 2012 - 2013	 LI Jian - hua, LONG Dong - ling, ZHUO Fei, <i>et al</i>	(447)



创新轨迹 永不停息



+ 我们为您提供
有竞争力的全线生化试剂产品

我们的 实力

追求卓越·成就未来

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

► 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。

► 创业板成功上市

2014 年 10 月 30 日,九强生物在创业板首次公开发行 A 股成功上市。

► 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”。

► 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