



QK2122128

中国艾滋病性病

ZHONGGUO AIZIBING XINGBING
CHINESE JOURNAL OF AIDS & STD

2021年 第27卷 第6期 总第213期 Vol.27 No.6 (Serial No.213)



| 中文核心期刊 | 中国科技核心期刊
| 中国精品科技期刊 | RCCSE中国核心学术期刊
| 美国化学文摘(CA)及数据库收录 | 国家科技部中国科技论文统计源期刊

ISSN 1672-5662



中国性病艾滋病防治协会 主办
中国疾病预防控制中心性病艾滋病预防控制中心

万方数据

中国艾滋病性病

CHINESE JOURNAL OF AIDS & STD

月刊 1995年8月创刊 第27卷 第6期 总第213期 2021年6月26日出版

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国家卫生健康委员会

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北京市西城区南纬路27号 100050
中国疾病预防控制中心
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北京市昌平区昌百路155号 102206

编辑出版
《中国艾滋病性病》杂志编辑部
北京市西城区南纬路27号 100050
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印刷
北京科信印刷有限公司
北京市昌平区七北路马连店甲6号
102208

发行
国内: 中国邮政集团公司
北京分公司
国外: 中国国际图书贸易集团
有限公司
(北京399信箱, 100044)
国外代号: M6559

订购
全国各地邮电局
邮发代号: 82-912

定价
每期20.00元, 全年240.00元

国际标准连续出版物号
ISSN 1672-5662
国内统一连续出版物号
CN 11-4818/R

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本刊得到深圳市疾病预防控制中心多年的支持

本刊投稿网址: <http://xbya.cbpt.cnki.net/>

期刊基本参数:CN11-4818/R*1995*m*A4*112*zh*p*¥20.00*2 000*30*2021-06

CHINESE JOURNAL OF AIDS & STD

Published monthly Since August 1995 Vol. 27 No.6 June 26, 2021

Competent Authority

National Health Commission of the People's Republic of China

Sponsor

Chinese Association of STD & AIDS Prevention and Control
National Center for STD/AIDS Control and Prevention

Editor in Chief

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Published by

Editorial Department of Chinese Journal of AIDS & STD
27 Nanwei Road, Xicheng District, Beijing 100050, China
Tel: 86-010-63030828
Fax: 86-010-63030028
Email: aidsbjb@126.com
aids2006@sina.com

Printed by

Beijing Kexin Printing Co., Ltd.

Distribution

Domestic distributor:
Beijing Municipal Bureau of Newspaper and Journal Distribution

Overseas distributor:
China International Book Trading Corporation
P. O. Box 399, Beijing 100044, China
Code No. M 6559

Subscription

Post offices all over the country
Code No. 82-912

CSSN

ISSN 1672-5662
CN 11-4818/R

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- [19] LANE CR, SUTTON B, VALCANIS M, et al. Travel Destinations and Sexual Behavior as Indicators of Antibiotic Resistant Shigella Strains--Victoria, Australia [J]. Clin Infect Dis, 2016, 62(6): 722-729.
- [20] BOWEN A, GRASS J, BICKNESE A, et al. Elevated Risk for Antimicrobial Drug-Resistant Shigella Infection among Men Who Have Sex with Men, United States, 2011-2015[J]. Emerg Infect Dis, 2016, 22(9): 1613-1616.
- [21] MURRAY K, REDDY V, KORNBLUM JS, et al. Increasing Antibiotic Resistance in Shigella spp. from Infected New York City Residents, New York, USA [J]. Emerg Infect Dis, 2017, 23(2): 332-335.
- [22] EIKMEIER D, TALLEY P, BOWEN A, et al. Decreased Susceptibility to Azithromycin in Clinical Shigella Isolates Associated with HIV and Sexually Transmitted Bacterial Diseases, Minnesota, USA, 2012-2015[J]. Emerg Infect Dis, 2020, 26(4): 667-674.
- [23] GAUDREAU C, RATNAYAKE R, PILON PA, et al. Ciprofloxacin-resistant Shigella sonnei among men who have sex with men, Canada, 2010 [J]. Emerg Infect Dis, 2011, 17(9): 1747-1750.
- [24] J-YLEE, KANG D-H. Development of an improved selective medium for the detection of Shigella spp [J]. LWT-Food Science and Technology, 2016(65): 311-317.
- [25] AYDIN S. A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA [J]. Peptides, 2015(72): 4-15.
- [26] GUPTA P, DHAKED RK. Immunological detection assays for recombinant Shiga toxin & Shigella dysenteriae [J]. Indian J Med Res, 2019, 149(3): 412-417.
- [27] LIU J, KABIR F, MANNEH J, et al. Development and assessment of molecular diagnostic tests for 15 enteropathogens causing childhood diarrhoea: a multicentre study [J]. The Lancet Infectious Diseases, 2014, 14(8): 716-724.
- [28] VU DT, SETHABUTR O, SEIDLEIN LVON, et al. Detection of Shigella by a PCR assay targeting the ipaH gene suggests increased prevalence of shigellosis in Nha Trang, Vietnam [J]. J Clin Microbiol, 2004, 42(5): 2031-2035.
- [29] WANG Y, WANG Y, LUO L, et al. Rapid and Sensitive Detection of Shigella spp. and Salmonella spp. by Multiple Endonuclease Restriction Real-Time Loop-Mediated Isothermal Amplification Technique [J]. Front Microbiol, 2015(6): 1400.
- [30] BECKMAN A K, FERRIERI P. Prospective Investigation of an Automated PCR/Nucleic Acid Microarray-Based Platform for Enteric Pathogen Testing [J]. Lab Med, 2019, 50(4): 390-395.
- [31] LIU Y, CAO Y, WANG T, et al. Detection of 12 Common Food-Borne Bacterial Pathogens by TaqMan Real-Time PCR Using a Single Set of Reaction Conditions [J]. Front Microbiol, 2019(10): 222.
- [32] RADHIKA M, SAUGATA M, MURALI HS, et al. A novel multiplex PCR for the simultaneous detection of Salmonella enterica and Shigella species [J]. Braz J Microbiol, 2014, 45(2): 667-676.
- [33] XU YG, LIU ZM, ZHANG BQ, et al. Development of a novel target-enriched multiplex PCR (Tem-PCR) assay for simultaneous detection of five foodborne pathogens [J]. Food Control, 2016(64): 54-59.
- [34] LINT PVAN, DE WITTE E, DE HENAU H, et al. Evaluation of a real-time multiplex PCR for the simultaneous detection of Campylobacter jejuni, Salmonella spp., Shigella spp./EIEC, and Yersinia enterocolitica in fecal samples [J]. Eur J Clin Microbiol Infect Dis, 2015, 34(3): 535-542.
- [35] AMJAD M. An Overview of the Molecular Methods in the Diagnosis of Gastrointestinal Infectious Diseases [J]. Int J Microbiol, 2020(2020): 8135724.
- [36] CAO L, CUI X, HU J, et al. Advances in digital polymerase chain reaction (dPCR) and its emerging biomedical applications [J]. Biosensors and Bioelectronics, 2017(90): 459-474.
- [37] YANG J, ZHANG N, LV J, et al. Comparing the performance of conventional PCR, RTQ-PCR, and droplet digital PCR assays in detection of Shigella [J]. Molecular and Cellular Probes, 2020(51): 101531.
- [38] NOTOMI T, OKAYAMA H, MASUBUCHI H, et al. Loop-mediated isothermal amplification of DNA [J]. Nucleic Acids Res, 2000, 28(12): E63.
- [39] WONG YP, OTHMAN S, LAU YL, et al. Loop-mediated isothermal amplification (LAMP): a versatile technique for detection of micro-organisms [J]. J Appl Microbiol, 2018, 124(3): 626-643.
- [40] SOLI KW, KAS M, MAURE T, et al. Evaluation of colorimetric detection methods for Shigella, Salmonella, and Vibrio cholerae by loop-mediated isothermal amplification [J]. Diagn Microbiol Infect Dis, 2013, 77(4): 321-323.
- [41] ZHANG L, WEI Q, HAN Q, et al. Detection of Shigella in Milk and Clinical Samples by Magnetic Immunocaptured-Loop-Mediated Isothermal Amplification Assay [J]. Front Microbiol, 2018(9): 94.
- [42] SILAPONG S, NEESANANT P, SETHABUTR O, et al. A Field-Expedient Method for Direct Detection of Enterotoxigenic E Coli and Shigella from Stool [J]. US Army Med Dep J, 2015: 51-58. (Epub ahead of Print).
- [43] MOKHTARI W, NSAIBIA S, GHARBI A, et al. Real-time PCR using SYBR Green for the detection of Shigella spp. in food and stool samples [J]. Mol Cell Probes, 2013, 27(1): 53-59.