

ICS 11.020
C 50

WS

中华人民共和国卫生行业标准

WS/T 411—2013

WS/T 411—2013

抗丝状真菌药物敏感性试验 肉汤稀释法

Antifungal susceptibility testing of filamentous fungi—Broth dilution method

中华人民共和国卫生
行业标准
抗丝状真菌药物敏感性试验
肉汤稀释法
WS/T 411—2013

*

中国标准出版社出版发行
北京市朝阳区和平里西街甲2号(100013)
北京市西城区三里河北街16号(100045)
网址 www.spc.net.cn
总编室:(010)64275323 发行中心:(010)51780235
读者服务部:(010)68523946
中国标准出版社秦皇岛印刷厂印刷
各地新华书店经销

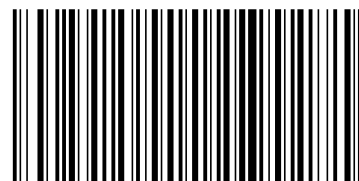
*

开本 880×1230 1/16 印张 1.25 字数 31 千字
2013年6月第一版 2013年6月第一次印刷

*

书号: 155066·2-25031 定价 21.00 元

如有印装差错 由本社发行中心调换
版权专有 侵权必究
举报电话:(010)68510107



WS/T 411—2013

2013-06-03 发布

2013-12-01 实施

中华人民共和国国家卫生和计划生育委员会 发布

目 次

前言	I
1 范围	1
2 术语和定义	1
3 抗真菌药物	2
4 培养基	5
5 微量肉汤稀释法操作步骤	6
6 宏量肉汤稀释法操作步骤	8
7 质量控制	9
附录 A (规范性附录) RPMI-1640 肉汤培养基配方表	13
附录 B (规范性附录) 燕麦培养基制备步骤	14
参考文献	15

参 考 文 献

- [1] EUCAST. Method for the Determination of Broth Dilution Minimum Inhibitory Concentrations of Antifungal Agents for Conidia Forming Moulds. EUCAST document E. DEF 9. 1, PA;EUCAST. 2008;7
- [2] CLSI. Reference Method for Broth Dilution Antifungal Susceptibility Testing of Filamentous Fungi. CLSI document M38-A2,PA; CLSI. 2008;4
- [3] Espinel-Ingroff, A, Montero O, Morrillo D, et al. Viability of Yeasts and Filamentous Fungi Isolates maintained in Liquid Nitrogen and at -70 °C by Using Commercially Prepared Cryogenic vials. *Inpress*
- [4] Espinel-Ingroff A, Bartlett M, Chaturvedi V, et al. Optimal Susceptibility Testing Conditions for Detection of Azole Resistance in *Aspergillus* spp. NCCLS Collaborative evaluation. *Antimicrob Agents Chemother.* 2001;45:1828-1835
- [5] Denning DW, Venkateswarlu K, Oakley KL, et al. Itraconazole Resistance in *Aspergillus Fumigatus*. *Antimicrob Agents Chemother.* 1997; 41:1364-1368
- [6] Denning DW, Radford SA, Oakley KL, et al. Correlation between in-vitro Susceptibility Testing to Itraconazole and in-vivo outcome of *Aspergillus Fumigatus* Infection. *J Antimicrob Chemother.* 1997; 40: 401-414
- [7] Espinel-Ingroff A, Chaturvedi V, Fothergill A, et al. Evaluation of NCCLS Susceptibility Testing Conditions for Established and New Antifungal Agents Against Emerging Monilaceous and Dematiaceous Mould Pathogens. *J Clin Microbiol.* 2002;40:1288-1292
- [8] Lass-Flörl C, Kofler G, Kropshofer G, et al. In vitro Testing of Susceptibility to Amphotericin B is a Reliable Predictor of Clinical outcome in Invasive Aspergillosis. *J Antimicrob Chemother.* 1998;42:497-502
- [9] Pasarell L, McGinnis MR. Viability of Fungal Cultures Maintained at -70 °C. *J Clin Microbiol.* 1992;30:1000-1004
- [10] Barry AL, Pfaller MA, Brown SD, et al. Quality Control Limits for Broth Microdilution Susceptibility Tests of Ten Antifungal Agents. *J Clin Microbiol.* 2000;38:3457-3459
- [11] Pfaller MA, Bale M, Buschelman B, et al. Quality Control Guidelines for National Committee for Clinical Laboratory Standards Recommended Broth Macrodilution Testing of Amphotericin B, Fluconazole, and Flucytosine. *J Clin Microbiol.* 1995; 33:1104-1107
- [12] Rex JH, Pfaller MA, Lancaster M, et al. Quality control guidelines for National Committee for Clinical Laboratory Standards Recommended Broth Macrodilution Testing of Ketoconazole and Itraconazole. *J Clin Microbiol.* 1996; 34:816-817
- [13] Espinel-Ingroff A, Bartlett M, Bowden R, et al. Multicenter Evaluation of Proposed Standardization Procedure for Antifungal Susceptibility Testing of Filamentous Fungi. *J Clin Microbiol.* 1997; 35:139-143
- [14] Espinel-Ingroff A, Bartlett M, Chaturvedi V, et al. Optimal Susceptibility Testing Conditions for Detection of Azole Resistance in *Aspergillus* spp. : NCCLS collaborative evaluation. *Antimicrob Agents Chemother.* 2001; 43: 1828-1835

附录 B
(规范性附录)
燕麦培养基制备步骤

燕麦培养基制备步骤见表 B.1。

表 B.1 燕麦培养基制备步骤

步骤	过 程
1	在 1 L 水中加入 100 g 婴儿燕麦粉,15 g 琼脂,0.03 g 庆大霉素
2	混匀
3	121 ℃ 高压灭菌 20 min。分装,储存在 4 ℃~6 ℃ 备用
4	质控: 阳性:红色毛癣菌 形成分生孢子 阴性:无 无菌:无生长

前 言

本标准依据 GB/T 1.1—2009 给出的规则起草。

本标准起草单位:卫生部临床检验中心、北京大学人民医院、北京大学第一医院、中国医学科学院北京协和医院、首都医科大学附属北京友谊医院、卫生部北京医院、华中科技大学同济医学院附属同济医院。

本标准主要起草人:胡继红、张楠、王辉、李若瑜、徐英春、苏建荣、胡云建、孙自镛。