

Title (en)
CONCURRENT MICROORGANISM IDENTIFICATION AND SUSCEPTIBILITIES FROM BROTH

Title (de)
PARALLELE MIKROORGANISMUS IDENTIFIZIERUNG UND ANFÄLLIGKEITEN VON BRÜHE

Title (fr)
TESTS CONCURRENTS D'IDENTIFICATION DE MICRO-ORGANISMES ET DE SENSIBILITE A PARTIR D'UN BOUILLON

Publication
EP 1594881 A4 20080206 (EN)

Application
EP 02797169 A 20021203

Priority
US 0238543 W 20021203

Abstract (en)
[origin: WO2004050675A1] A method and Kit for performing concurrent identification testing and antimicrobial susceptibility testing from broth culture are described. Broth incubation is generally 4 to 6 hrs providing adequate numbers of microorganisms for inoculating a multi-chambered kit plate comprising enriched, differential, selective, differential-selective, single-purpose and susceptibility media. Several dilutions are prepared from the cultured broth, for inoculation of the kit plate. The more dilute concentration produces individual colonies of microorganisms, for identification testing. The isolation makes an initial isolation step unnecessary. The heavier concentration dilution provides a lawn inoculation for antimicrobial susceptibility testing (directly proportional to a Kirby-Bauer AST) as well as other identification tests. Antimicrobial susceptibilities are valid even when several different microorganisms coexist in the same test chamber. The method is fast for bacteria, providing identification and susceptibility data in 24hrs. The kit is complete, except for an incubator and microscope. The method is simple to perform and can be utilized almost anywhere. Novel agar-based media formulated with Iota carrageenan provides for a significantly long shelf life of the test media.

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C07H 1/00; **C12M 1/00**; **C12N 1/00**; **C12N 1/12**; **C12N 1/20**; **C12Q 1/00**; **C12Q 1/04**; **G01N 33/53**

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Citation (search report)
• [X] EP 0903569 A1 19990324 - BECTON DICKINSON CO [US]
• [A] WO 9918232 A1 19990415 - IDEXX LAB INC [US], et al
• [A] US 3960658 A 19760601 - AVAKIAN SOUREN, et al
• [A] FR 2442268 A1 19800620 - ORION YHTYMAE OY [FI]
• [A] WO 0109371 A1 20010208 - AKZO NOBEL NV [NL], et al
• See references of WO 2004050675A1

Designated contracting state (EPC)
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