

Title (en)

METHODS OF SCREENING FOR ANTIMICROBIAL COMPOUNDS

Title (de)

VERFAHREN ZUM SCREENEN VON ANTIMIKROBIELLEN VERBINDUNGEN

Title (fr)

PROCEDES DE CRIBLAGE DE COMPOSES ANTIMICROBIENS

Publication

EP 1259635 A4 20041124 (EN)

Application

EP 01916190 A 20010222

Priority

- US 0105845 W 20010222
- US 18484600 P 20000225

Abstract (en)

[origin: WO0162956A1] A method and assay for screening for antimicrobial compounds comprises contacting bacteria having a detectable concentration with a target compound and determining the effect of the target compound on the concentration of the bacteria. The effect of the compound is determined by measuring the concentration of the bacteria at a plurality of times after the bacteria is contacted with the candidate compound. The method incorporates an assay, such as an optical density assay, luciferase-based assay, or kinetic assay.

IPC 1-7

C12Q 1/18; C12Q 1/02; C12Q 1/24

IPC 8 full level

C12Q 1/18 (2006.01)

CPC (source: EP)

C12Q 1/18 (2013.01)

Citation (search report)

- [X] WO 9510767 A1 19950420 - AMERSHAM INT PLC [GB], et al
- [X] BIANCHI ALLISON A ET AL: "Stress responses as a tool to detect and characterize the mode of action of antibacterial agents", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 65, no. 11, November 1999 (1999-11-01), pages 5023 - 5027, XP002298151, ISSN: 0099-2240
- [A] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; December 1998 (1998-12-01), ELOFF J N: "A sensitive and quick microplate method to determine the minimal inhibitory concentration of plant extracts for bacteria", XP002298152, Database accession no. PREV199900110592 & PLANTA MEDICA, vol. 64, no. 8, December 1998 (1998-12-01), pages 711 - 713, ISSN: 0032-0943
- See references of WO 0162956A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0162956 A1 20010830; AU 4324701 A 20010903; EP 1259635 A1 20021127; EP 1259635 A4 20041124; JP 2003531579 A 20031028

DOCDB simple family (application)

US 0105845 W 20010222; AU 4324701 A 20010222; EP 01916190 A 20010222; JP 2001561765 A 20010222