

Title (en)

QUANTIFICATION OF BACTERIA USING A NUCLEIC ACID HYBRIDIZATION ASSAY

Publication

EP 0484385 A4 19930526 (EN)

Application

EP 90911234 A 19900710

Priority

US 37835589 A 19890711

Abstract (en)

[origin: WO9100926A1] This invention provides for a method of quantifying bacteria using a bacterial specific nucleic acid probe which is complementary to a unique and highly conserved region of the 16S ribosomal RNA (rRNA) of bacteria. This probe permits the rapid detection of 16S rRNA in a sample and by comparison with known standards, one can estimate the total bacterial count in the sample. The method is accurate and reproducible and conducted at temperatures of between about 12 DEG to about 14 DEG C.

IPC 1-7

C12Q 1/70; **C12Q 1/68**; **C12Q 1/24**; **C07H 15/12**; **C12N 15/00**

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP)

C12Q 1/6888 (2013.01); **C12Q 1/689** (2013.01)

Citation (search report)

- [XP] WO 8906704 A1 19890727 - MICROPROBE CORP [US]
- [A] WO 8706621 A1 19871105 - GILLESPIE DAVID
- [A] EP 0127327 A1 19841205 - NAT RES DEV [GB]
- [A] PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, USA vol. 82, October 1985, WASHINGTON, USA pages 6955 - 6959 LANE, D. ET AL. 'Rapid determination of +&S ribosomal RNA sequences for phylogenetic analyses'
- See references of WO 9100926A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9100926 A1 19910124; AU 6075490 A 19910206; EP 0484385 A1 19920513; EP 0484385 A4 19930526; JP H05501052 A 19930304

DOCDB simple family (application)

US 9003880 W 19900710; AU 6075490 A 19900710; EP 90911234 A 19900710; JP 51074690 A 19900710