

Title (en)

METHOD AND COMPOUND FOR DETECTING LOW LEVELS OF MICROORGANISMS

Title (de)

VERFAHREN UND VERBINDUNG ZUM NACHWEIS VON GERINGEN MENGEN VON MIKROORGANISMEN

Title (fr)

TECHNIQUE ET COMPOSE PERMETTANT DE DETECTER DE FAIBLES CONCENTRATIONS DE MICRO-ORGANISMES

Publication

**EP 1137799 A1 20011004 (EN)**

Application

**EP 99920289 A 19990503**

Priority

- US 9909639 W 19990503
- US 20608698 A 19981204

Abstract (en)

[origin: WO0034509A1] A method and compound for detecting low levels of microorganisms in biological samples is disclosed. In the method, an antibiotic is conjugated to a detectable label. This antibiotic/label conjugate is then introduced into a sample containing biological material. The antibiotic binds to target microorganism where the label allows for detection of localized concentrations of the antibiotic. A compound to accomplish this method is also described. This compound is an antibiotic conjugated to a fluorescent dye. This dye has an excitation and emission wavelength that are not interfered by substances typically found in biological samples.

IPC 1-7

**C12Q 1/04**; **C12N 1/20**; **G01N 21/76**

IPC 8 full level

**G01N 33/533** (2006.01); **G01N 33/569** (2006.01); **G01N 33/94** (2006.01)

CPC (source: EP)

**G01N 33/533** (2013.01); **G01N 33/56911** (2013.01); **G01N 33/9446** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 0034509 A1 20000615**; EP 1137799 A1 20011004; EP 1137799 A4 20020410

DOCDB simple family (application)

**US 9909639 W 19990503**; EP 99920289 A 19990503