

Title (en)

A METHOD FOR MEASURING A PATIENT'S ABILITY TO METABOLISE CERTAIN DRUGS

Title (de)

METHODE ZUR BESTIMMUNG DER FÄHIGKEIT EINES PATIENTEN EIN BESTIMMTES MEDIKAMENT ZU METABOLISIEREN

Title (fr)

PROCEDE DE MESURE DE L'APTITUDE D'UN PATIENT A METABOLISER CERTAINS MEDICAMENTS

Publication

EP 1108065 A1 20010620 (EN)

Application

EP 99946509 A 19990825

Priority

- SE 9901449 W 19990825
- SE 9802897 A 19980828

Abstract (en)

[origin: WO0012757A1] It has now turned out that it is possible carry out a simple test for measuring a patient's ability to metabolise a certain drug by applying a method comprising the steps of a) isolating and/or providing detectable amounts of single-stranded DNA from said sample by using known methods; b) hybridising the single-stranded DNA obtained in step a) with a detection primer comprising a plurality of nucleotide residues, said primer being complementary to a target nucleotide sequence immediately adjacent and 5' in relation to a defined point mutation of a single-stranded DNA encoding a cytochrome P450 isoform, where said point mutation is known to affect said isoform's ability to metabolise said drug, such that there are no nucleotide residues between the defined point mutation and the 3' end of the detection primer that are identical to the first or second nucleotide residues of the point mutation to be detected, when the detection primer is hybridised to the target nucleic acid; c) extending the primer using a polymerising agent in a mixture comprising one or more nucleoside triphosphates wherein the mixture includes at least one nucleoside triphosphate complementary to either the first or second nucleic residue comprising means for detecting the incorporation of the nucleoside triphosphate in a nucleic acid polymer, and optionally one or more chain terminating nucleoside triphosphates; d) detecting the incorporation of the nucleoside triphosphate using said means, whereby it is determined whether said sample contains said point mutation of said cytochrome P450 isoform.

IPC 1-7

C12Q 1/68; **C12Q 1/34**; **C12N 15/11**

IPC 8 full level

G01N 33/53 (2006.01); **C12N 9/02** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6858** (2018.01); **G01N 33/566** (2006.01)

CPC (source: EP)

C12N 9/0077 (2013.01); **C12Q 1/6858** (2013.01); **C12Q 2531/113** (2013.01); **C12Q 2563/131** (2013.01)

Citation (search report)

See references of WO 0012757A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0012757 A1 20000309; AU 5890899 A 20000321; EP 1108065 A1 20010620; JP 2002523111 A 20020730

DOCDB simple family (application)

SE 9901449 W 19990825; AU 5890899 A 19990825; EP 99946509 A 19990825; JP 2000567740 A 19990825