

Title (en)

KITS AND METHODS FOR DETECTING DRUG-INDUCED DEAFNESS SUSCEPTIBILITY

Title (de)

KITS UND VERFAHREN ZUM NACHWEIS VON DROGENINDUZIERTER SUSZEPTIBILITÄT FÜR TAUBHEIT

Title (fr)

KITS ET MÉTHODES DE DÉPISTAGE D'UNE SENSIBILITÉ À LA SURDITÉ INDUITE PAR DES MÉDICAMENTS

Publication

EP 3004389 A4 20170201 (EN)

Application

EP 14804634 A 20140530

Priority

- CN 201310208559 A 20130530
- CN 2014000548 W 20140530

Abstract (en)

[origin: WO2014190762A1] The present invention provides a detection kit for detecting the mitochondrial gene C1494T and A1555G mutations associated with maternally inherited aminoglycoside-induced deafness. The kit comprises 2 pairs of primers with the nucleotide sequences set forth in SEQ ID NO: 1, SEQ ID NO:2, SEQ ID NO:5, and SEQ ID NO:6, and 3 TaqMan-MGB probes with the nucleotide sequences set forth in SEQ ID NO:3, SEQ ID NO:4, and SEQ ID NO:7.

IPC 8 full level

C12N 15/11 (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP)

C12Q 1/6883 (2013.01); **C12Q 2600/106** (2013.01); **C12Q 2600/156** (2013.01)

Citation (search report)

- [X1] CN 102787169 A 20121121 - LIMIN GUO
- [XY] CN 101768637 A 20100707 - WENZHOUE MEDICAL COLLEGE
- [Y] CN 102154481 A 20110817 - ZHIHAI BIOLOG ENGINEERING BEIJING CO LTD
- [XP] CN 103451302 A 20131218 - BU XUN, et al
- [X1] ZHENG L ET AL: "A novel method of detecting mitochondrial m.1494C>T and m.1555A>G mutations in a single PCR reaction using base-quenched probe", CLINICA CHIMICA ACTA, ELSEVIER BV, AMSTERDAM, NL, vol. 411, no. 23-24, 14 December 2010 (2010-12-14), pages 2114 - 2116, XP027406802, ISSN: 0009-8981, [retrieved on 20101007]
- [T] HUANG SHASHA ET AL: "Rapid identification of aminoglycoside-induced deafness gene mutations using multiplex real-time polymerase chain reaction", INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY, vol. 79, no. 7, 2015, pages 1067 - 1072, XP029185034, ISSN: 0165-5876, DOI: 10.1016/J.IJPORL.2015.04.028
- See references of WO 2014190762A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014190762 A1 20141204; CN 103276082 A 20130904; EP 3004389 A1 20160413; EP 3004389 A4 20170201; HK 1222683 A1 20170707

DOCDB simple family (application)

CN 2014000548 W 20140530; CN 201310208559 A 20130530; EP 14804634 A 20140530; HK 16110768 A 20160912