

Title (en)

NUCLEIC ACID SAMPLE PREPARATION BY EXCLUSION OF DNA

Title (de)

HERSTELLUNG EINER NUKLEINSÄUREPROBE DURCH DNA-AUSSCHLUSS

Title (fr)

PRÉPARATION D'UN ÉCHANTILLON D'ACIDE NUCLÉIQUE PAR EXCLUSION D'ADN

Publication

EP 2170922 A4 20100811 (EN)

Application

EP 08768775 A 20080625

Priority

- US 2008007899 W 20080625
- US 93722307 P 20070626

Abstract (en)

[origin: WO2009002511A1] Devices and methods are provided for separation of nucleic acids from waste materials in a biological sample, and then reacting the separated nucleic acids. In some embodiments, the methods comprise mixing a cell lysate having nucleic acids and waste materials with a waste-binding matrix to capture the cellular waste materials from the lysate. The waste-binding matrix can comprise hydrophilic and/or hydrophobic size- exclusion, ion-exchange particles. In some embodiments, the device comprises a substrate comprising a fluid processing pathway in which nucleic acid sample preparation occurs prior to a downstream genotyping reaction.

IPC 8 full level

C07H 21/00 (2006.01)

CPC (source: EP)

B01L 3/502753 (2013.01); **C07H 21/00** (2013.01); **B01L 7/52** (2013.01); **B01L 2200/10** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/087** (2013.01); **B01L 2400/0406** (2013.01); **B01L 2400/0409** (2013.01); **B01L 2400/0421** (2013.01); **B01L 2400/0487** (2013.01); **B01L 2400/0677** (2013.01)

Citation (search report)

- [A] US 6660517 B1 20031209 - WILDING PETER [US], et al
- [A] US 5922591 A 19990713 - ANDERSON ROLFE C [US], et al
- [A] US 2006160122 A1 20060720 - HARROLD MICHAEL P [US], et al
- See references of WO 2009002511A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2009002511 A1 20081231; EP 2170922 A1 20100407; EP 2170922 A4 20100811

DOCDB simple family (application)

US 2008007899 W 20080625; EP 08768775 A 20080625