

Title (en)
METHOD FOR ISOLATING AND PURIFYING NUCLEIC ACIDS

Title (de)
VERFAHREN ZUM ISOLIEREN UND REINIGEN VON NUKLEINSÄUREN

Title (fr)
PROCÉDÉ D ISOLATION ET DE PURIFICATION D ACIDES NUCLÉIQUES

Publication
EP 2324114 A2 20110525 (DE)

Application
EP 09782524 A 20090902

Priority

- EP 2009061360 W 20090902
- EP 08163623 A 20080903
- EP 09782524 A 20090902

Abstract (en)
[origin: EP2163620A1] Extracting nucleic acids from a solution, comprises adding a binding mediator to the nucleic acid containing solution, contacting the solution, which comprises the binding mediator and the nucleic acid, with a surface under chaotropic- and/or high-salt-condition, binding and/or adsorbing nucleic acids to a surface, washing the surface by a washing buffer, and recovering nucleic acids, which are adsorbed on the surface, by elution, where the binding mediator is e.g. diethylene glycol monoethyl ether, diethylene glycol monoethyletheracetate and furfuryl alcohol. Extracting nucleic acids from a solution, comprises adding a binding mediator to the nucleic acid containing solution, contacting the solution, which comprises the binding mediator and the nucleic acid, with a surface under chaotropic- and/or high-salt-condition, binding and/or adsorbing nucleic acids to a surface, washing the surface by a washing buffer, and recovering nucleic acids, which are adsorbed on the surface, by elution, where the binding mediator is diethylene glycol monoethyl ether, diethylene glycol monoethyletheracetate, furfuryl alcohol, poly(1-vinylpyrrolidone-co-2-dimethylaminoethylmethacrylate), poly(2-ethyl-2-oxazoline), poly(4-ammonium-styrene sulfonic acid), tetraethylene glycol dimethyl ether, tetraethylene glycol, tetrahydrofurfuryl polyethylene glycol 200 or triethylene glycol monoethyl ether. An independent claim is included for a reagent kit comprising a solution (A) comprising the binding mediator.

IPC 8 full level
C12N 15/09 (2006.01)

CPC (source: EP US)
C12N 15/1003 (2013.01 - EP US); **C12N 15/1006** (2013.01 - EP US)

Citation (search report)
See references of WO 2010026169A2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2163620 A1 20100317; EP 2324114 A2 20110525; US 2012130061 A1 20120524; WO 2010026169 A2 20100311;
WO 2010026169 A3 20100506

DOCDB simple family (application)
EP 08163623 A 20080903; EP 09782524 A 20090902; EP 2009061360 W 20090902; US 200913061916 A 20090902