

Title (en)

METHODS AND COMPOSITIONS FOR ISOLATION OF NUCLEIC ACID MOLECULES

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUR ISOLIERUNG VON NUKLEINSÄUREMOLEKÜLEN

Title (fr)

PROCEDES ET COMPOSITIONS PERMETTANT D'ISOLER DES MOLECULES D'ACIDE NUCLEIQUE

Publication

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Application

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Abstract (en)

[origin: WO0040697A1] The present invention relates generally to compositions, methods and kits for use in isolating nucleic acid molecules. More specifically, the invention relates to such compositions, methods and kits that are useful in the isolation of nucleic acid molecules from cells (e.g., bacterial cells, animal cells, fungal cells, viruses, yeast cells or plant cells) via lysis and one or more additional isolation steps, such as one or more chromatography steps. In particular, the invention relates to compositions, methods and kits wherein nucleic acid molecules are isolated using an integrated lysis/chromatography matrix, which may comprise one or more supports (e.g., polyolefin, scintered polyethylene, nitrocellulose, polypropylene, polycarbonate, cellulose acetate, silica, and the like) that has been treated with or associated with one or more chemical lysis reagents (e.g., one or more detergents, one or more chaetropes, one or more enzymes, and the like). The compositions, methods and kits of the invention are suitable for isolating a variety of forms of nucleic acid molecules from cells, including but not limited to plasmids, vectors, DNA, cDNA, RNA, mitochondrial DNA, chloroplast DNA, and the like, any of which may be single-stranded, double-stranded, linear or circular. The compositions, methods and kits of the invention are particularly well-suited for rapid isolation of soluble plasmid or vector DNA from bacterial cells.

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Citation (search report)

- [PX] WO 9939010 A1 19990805 - GENTRA SYSTEMS INC [US]
- [PX] WO 9938962 A2 19990805 - GENTRA SYSTEMS INC [US]
- See references of WO 0040697A1

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