

Title (en)

GENOMIC DNA EXTRACTION REAGENT AND METHOD

Title (de)

GENOMISCHES DNA-EXTRAKTIONSREAGENZ UND -VERFAHREN

Title (fr)

RÉACTIF D'EXTRACTION D'ADN GÉNOMIQUE ET PROCÉDÉ AFFÉRENT

Publication

EP 3102677 A1 20161214 (EN)

Application

EP 14881909 A 20141223

Priority

- US 201414171816 A 20140204
- US 201414211113 A 20140314
- US 2014072151 W 20141223

Abstract (en)

[origin: WO2015119719A1] The present invention is directed to a genomic DNA extraction reagent and method for improved extraction of DNA from biological tissue. The extraction reagent of the invention is mixed with disrupted biological tissue to form a DNA extraction solute which is incubated in a DNA extraction step. The extraction reagent includes an alkali component to maintain the DNA extraction solute at a pH of about 10 to 14 substantially throughout the extraction step. The extraction solute is centrifuged to clarify the supernatant. The supernatant containing the extracted DNA is diluted with a neutralizing buffer resulting in a high throughput method of generating high quantities of high quality DNA. Major PCR inhibitors are managed with the unique chemical combinations of the DNA extraction reagent designed and optimized for extraction of DNA from plant tissue and cells.

IPC 8 full level

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CPC (source: EP)

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Cited by

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Designated extension state (EPC)

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