

Title (en)

COMBINED NUCLEIC ACID BLOCKING, EXTRACTION, AND DETECTION IN A SINGLE REACTION VESSEL

Title (de)

KOMBINIERTE NUKLEINSÄUREBLOCKIERUNG, -EXTRAKTION UND -ERKENNUNG IN EINEM EINZELREAKTIONSGEFÄSS

Title (fr)

BLOCAGE, EXTRACTION ET DÉTECTION COMBINÉS D'ACIDE NUCLÉIQUE DANS UN RÉCEPTACLE DE RÉACTION UNIQUE

Publication

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Application

EP 10794424 A 20100702

Priority

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- US 22291209 P 20090702

Abstract (en)

[origin: WO2011002319A2] The invention relates to a method that utilizes nucleic acid deactivating reagents for the deactivation of contaminating nucleic acids, and thermophilic proteinases for the extraction of nucleic acids in a closed-system to be used in tandem with methods for the amplification of target nucleic acids present in a sample. The combined method enables simplified, temperature-controlled devices to be used for accurate, streamlined testing at the point of care for a wide variety of applications in the medical, industrial, environmental, quality control, security and research fields.

IPC 8 full level

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CPC (source: EP)

C12Q 1/6806 (2013.01); **C12Q 1/6848** (2013.01)

Citation (search report)

- [AP] WO 2010019898 A1 20100218 - ZYGEM CORP LTD [NZ], et al
- [A] MOSS D ET AL: "An easily automated, closed-tube forensic DNA extraction procedure using a thermostable proteinase", INTERNATIONAL JOURNAL OF LEGAL MEDICINE, SPRINGER VERLAG, DE, vol. 117, no. 6, 1 December 2003 (2003-12-01), pages 340 - 349, XP002476705, ISSN: 0937-9827, [retrieved on 20031023], DOI: 10.1007/S00414-003-0400-9
- See references of WO 2011002319A2

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