

Title (en)

IN-VITRO METHOD FOR DETECTING AT LEAST ONE NUCLEIC ACID, WHICH IS LOCATED OUTSIDE THE BLOOD CELLS IN WHOLE BLOOD IN THE CASE OF A LIVING BEING, AND DEVICE AND KIT FOR THIS PURPOSE

Title (de)

IN-VITRO-VERFAHREN ZUM NACHWEIS VON MINDESTENS EINER NUKLEINSÄURE, DIE SICH BEI EINEM LEBEWESSEN IM VOLLBLUT AUßERHALB DER BLUTZELLEN BEFINDET UND VOR-RICHTUNG UND KIT HIERZU

Title (fr)

PROCÉDÉ IN VITRO POUR METTRE EN ÉVIDENCE AU MOINS UN ACIDE NUCLÉIQUE PRÉSENT CHEZ UN ÊTRE VIVANT DANS LE SANG TOTAL EN DEHORS DES CELLULES SANGUINES ET DISPOSITIF ET KIT CORRESPONDANTS

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Application

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Priority

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Abstract (en)

[origin: WO2020127604A1] The invention relates to an in-vitro method, a device and a kit for detecting at least one nucleic acid (preferably DNA and/or RNA, particularly preferably DNA), which is located outside the blood cells in whole blood in the case of a living being. The advantage of the method according to the invention is that the execution of the method requires less time and equipment than known methods from the prior art, and that the risk of contamination and the risk of loss of cell-free nucleic acid (e.g. cell-free DNA) to be amplified is minimised. The method is therefore more economical and has a higher detection accuracy than known detection methods for cell-free nucleic acids (e.g. cell-free DNA). In addition, in particular, the detection sensitivity is increased relative to detection methods from the prior art, which are based on a dilution of the blood. The invention also relates to a use of the provided device and the provided kit.

IPC 8 full level

C12Q 1/6804 (2018.01)

CPC (source: EP US)

C12Q 1/6804 (2013.01 - EP); **C12Q 1/6816** (2013.01 - EP US); **C12Q 1/6827** (2013.01 - EP US); **C12Q 1/6844** (2013.01 - EP US); **G01N 33/50** (2013.01 - EP); **G01N 33/54388** (2021.08 - US)

C-Set (source: EP)

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