

Title (en)

ARRANGEMENT FOR INTEGRATED AND AUTOMATED DNA OR PROTEIN ANALYSIS IN A SINGLE-USE CARTRIDGE, METHOD FOR PRODUCING SUCH A CARTRIDGE AND OPERATING METHOD FOR DNA OR PROTEIN ANALYSIS USING SUCH A CARTRIDGE

Title (de)

ANORDNUNG ZUR INTEGRIERTEN UND AUTOMATISIERTEN DNA- ODER PROTEIN-ANALYSE IN EINER EINMAL VERWENDBAREN CARTRIDGE, HERSTELLUNGSVERFAHREN FÜR EINE SOLCHE CARTRIDGE UND BETRIEBSVERFAHREN DER DNA- ODER PROTEIN-ANALYSE UNTER VERWENDUNG EINER SOLCHEN CARTRIDGE

Title (fr)

DISPOSITIF D'ANALYSE DE PROTEINE ET D'ADN INTEGREE ET AUTOMATISEE DANS UNE CARTOUCHE A USAGE UNIQUE, PROCEDE DE PRODUCTION DE CETTE CARTOUCHE ET PROCEDE DE FONCTIONNEMENT DE L'ANALYSE DE PROTEINE ET D'ADN A L'AIDE DE CETTE CARTOUCHE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006042734A1] Especially in order to carry out the so-called enzyme-coupled DNA hybridisation test in a closed cartridge comprising a microfluid system, using stored dry reagents, the reagents must be dissolved in the microfluid system and transported into the measuring chamber directly before the measurement. During the dissolution of the reagents in water, air cushions that cannot reach the measuring chamber must absolutely be prevented from forming upstream of the reagent liquid. According to the invention, the liquid measuring sample and the liquid reagents (R1, R2) are transported in such a way that the air cushion is directed into the waste line (W1, W2), and the measuring sample and the reagents (R1, R2) are then introduced into the measuring chamber (150), without any air bubbles. In this way, measuring errors can be avoided.

IPC 8 full level

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