

Title (en)
THERMALIZING MICROFLUIDIC CHIP EMPLOYING VARIABLE TEMPERATURE CYCLES, SYSTEM USING SUCH A CHIP AND PCR METHOD FOR DETECTING DNA SEQUENCES

Title (de)
THERMALISIERENDER MIKROFLUIDISCHER CHIP MIT VARIABLEN TEMPERATURZYKLEN, SYSTEM MIT SOLCH EINEM CHIP UND PCR-VERFAHREN ZUM NACHWEIS VON DNA-SEQUENZEN

Title (fr)
PUCE MICRO FLUIDIQUE DE THERMALISATION À CYCLES DE TEMPÉRATURE VARIABLE, SYSTÈME UTILISANT UNE TELLE PUCE ET PROCÉDÉ PCR POUR LA DÉTECTION DE SÉQUENCES ADN

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Application
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Abstract (en)
[origin: WO2018114620A1] The present invention relates to a thermalizing microfluidic chip, to a system using such a chip and to a PCR method for detecting DNA sequences. The chip consists of a block of material in which a cavity that is able to contain at least one fluid is located, this cavity including at least one inlet orifice and at least one outlet orifice, the inlet orifice for fluid being connected to at least one and preferably at least two fluid-injecting channels. According to the invention, the chip furthermore includes at least one microfluidic channel for bypassing the cavity, said channel being connected by a first end to at least one of the fluid-injecting channels, the junction between the bypassing channel and the fluid-injecting channel being located at a distance L from the inlet orifice of the fluid-injecting channel, said distance preferably being smaller than 2 cm.

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