

Title (en)

MICROFLUIDIC METHODS AND APPARATUSES FOR SAMPLE PREPARATION AND ANALYSIS

Title (de)

MIKROFLUIDISCHE VERFAHREN UND VORRICHTUNGEN ZUR PROBENVORBEREITUNG UND -ANALYSE

Title (fr)

PROCÉDÉS MICROFLUIDIQUES ET DISPOSITIFS DE PRÉPARATION ET D'ANALYSE D'ÉCHANTILLONS

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Application

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Abstract (en)

[origin: WO2007011622A2] Microfluidic channels are constructed for use in preparing and/or analyzing samples. In one embodiment, a microfluidic channel receives a carrier fluid having both non-targets and targets. The non-targets are moved from the carrier fluid by diffusion and into sheathing fluids also present in the channel before contents of the carrier fluid are analyzed. In another embodiment, a microchannel delivers multiple fluid samples from an upstream portion to a downstream portion of the channel where each of the fluid samples are separated from one another by a sheathing fluid that also travels toward the downstream portion. In another embodiment, a microchannel is constructed to create multiple elongational flows in series that can align polymers from a coiled state.

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