Title (en)

CAPILLARY FORCE MIXER

Title (de)

KAPILLARKRAFTMISCHER

Title (fr)

MELANGEUR A FORCE CAPILLAIRE

Publication

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Application

**EP 00974506 A 20001103**

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Abstract (en)

[origin: WO0152975A1] The invention relates to an analytical microfluid channel array with a high chamber density, on the base of a microtiter plate. Said array is used for analysing chemical, biochemical, biological, physical or other measurable values in separately accommodated liquid samples which are mixed in the analysis chamber. The individual microfluid channel system acts as a capillary force mixer and comprises an inert matrix (1, 2), a detection area (5) and channels (3, 6) which are able to transport liquid in a capillary manner and which interconnect the sample feed openings (4, 7). The capillary liquid transport channel is at least partially formed by the matrix and the detection area. The detection area is suitable e.g., for carrying out analyses using spectrophotometric (e.g., IR) or electrochemical measuring procedures. The invention also relates to the use of said analytical capillary force mixer or test element arrays for determining a measurement in one or more liquids and to a method for determining chemical, biochemical, biological, physical or other measurable values in one or more liquid samples using said capillary force mixer or said microfluid channel array.

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Citation (search report)

See references of WO 0152975A1

Cited by

WO2012167805A1; US9388557B2; US9580893B2; US9752305B2; US9909292B2

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