

Title (en)

METHOD AND APPARATUS FOR TRANSFERRING SMALL VOLUME LIQUID SAMPLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERTRAGUNG VON KLEINEN FLÜSSIGKEITSPROBEN

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE TRANSFERER UN PETIT VOLUME D'ECHANTILLONS LIQUIDES

Publication

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Application

EP 00948877 A 20000720

Priority

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Abstract (en)

[origin: WO0107161A1] Microtiter-like plates are described which have paired wells on opposite sides of the plate that are connected so that liquid can flow freely between the wells in each pair. One well (the "sampling port") in each pair is a "virtual" well having a very small volumetric capacity compared with the other well in the pair, which also may be a virtual well. Virtual wells confine small volume liquid samples on a relatively flat surface by surface tension. Liquid samples partition between the larger well and the sampling port so that a relatively constant volume of fluid remains in the sampling port even as the liquid volume in the larger well changes. The consistent liquid volume in the sampling port enables reproducible liquid volumes to be transferred from the sampling ports, all of which are on the same side of the plate, to other plates as an array on a matching array of pins.

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