

Title (en)  
APPARATUS ENABLING LIQUID TRANSFER BY CAPILLARY ACTION THEREIN

Title (de)  
GERÄT ZUM KAPILLAREN FLÜSSIGKEITSTRANSFER IN SEINEM INNEREN

Title (fr)  
APPAREIL PERMETTANT EN SON SEIN LE TRANSFERT DE LIQUIDES PAR CAPILLARITE

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Application  
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Abstract (en)  
[origin: US7169353B1] An apparatus ( 1 ) which includes at least one planar surface ( 2 ) having compartments ( 3 ) which are defined by a partition ( 4 ), the compartments creating a space which makes it possible to displace at least one liquid sample ( 5 and/or 15 ) and, when there are at least two liquid samples ( 5 and 15 ), makes it possible to displace them both in an independent way and bring them together so that they can react with one another. The compartments ( 3 ) include at least two different types of groove: a deep groove ( 6 ), capable of partitioning the sample(s) ( 5 and/or 15 ), and a shallow groove capable of receiving the sample (s) ( 5 and/or 15 ), the two types of groove ( 6 and 16 ) making it possible to direct sample movements ( 5 and/or 15 ) by altering the orientation of the apparatus ( 1 ). The invention is particularly applicable for the micromanipulation of fluids in biological applications.

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