

Title (en)

Microtiter plate, system and method for processing samples

Title (de)

Mikrotiterplatte, System und Verfahren zur Probenhandlung

Title (fr)

Plaque de microtitrage, système et méthode pour le traitement d'échantillons

Publication

EP 1547691 A1 20050629 (EN)

Application

EP 04077952 A 20041026

Priority

- EP 04077952 A 20041026
- EP 03079157 A 20031222

Abstract (en)

A microtiter plate for processing samples having a liquid component or a liquid and a solid component or a liquid and a gel component, said microtiter plate (11). The microtiter plate comprises: a single piece body (12) which is made by injection molding and which has an array of cavities (13). Each of cavities (13) has an open upper end (14) and a closed bottom end (15). Each of cavities (13) has a bottom inner surface and comprises a first chamber (16) for receiving a sample to be processed, a second chamber (17) and a passage (18) which fluidically connects said first and second chambers (16, 17) with each other. Passage (18) has a top opening (19). First chamber (16), second chamber (17) and passage (18) have each a bottom inner surface which is a portion of the bottom inner surface of cavity (13). A region (21) in the lower part of passage (18) is adjacent to the bottom end (15) of the cavity (13). Region (21) is so configured and dimensioned that it allows passage of liquid from one of said chambers to the other only when a centrifugal force is applied to the microtiter plate, but does not allow passage of any solid or gel component the size of which is larger than the width of region (21). <IMAGE>

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Citation (search report)

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