

Title (en)

MULTIPLE-CONTAINER SYSTEMS WITH IMPROVED SENSITIVITY FOR OPTICAL ANALYSES

Title (de)

MEHRGEFÄSSANORDNUNGEN MIT VERBESSERTER EMPFINDLICHKEIT FÜR DIE OPTISCHE ANALYTIK

Title (fr)

ENSEMBLES A PLUSIEURS RECIPIENTS PRESENTANT UNE SENSIBILITE AMELIOREE POUR LES ANALYSES OPTIQUES

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Application

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Abstract (en)

[origin: DE19853640A1] The invention relates to multiple-container systems and to the use of same for optical assays. The invention relates in particular to a multiple-container system comprising a container wall matrix (1) with continuous cavities and one or more optically transparent base plates (2) joined to the container wall matrix.aid system is characterized in that the base plates are coated with a film (3) having functional groups suitable for the covalent immobilization of molecules. The film on the base plate is preferably a Langmuir-Blodgett film, and preferably a Langmuir-Blodgett film on cellulose basis. The invention further relates to multiple-container systems comprising a container wall matrix with continuous cavities and one or more optically transparent base plates joined to the container wall matrix. Said systems are characterized in that the base plates are coated with a film derivatized with receptor molecules or molecules presenting low non-specific protein adsorption.

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