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A Microplatform For Performing High Throughput, Multiplexed Assays On Adherent Cells

Tech ID: 31626 / UC Case 2004-430-0

BRIEF DESCRIPTION

Systems and methods are providing for performing high-throughput, programmable, multiplexed assays of biological, chemical or biochemical systems. Preferably, a micro-pallet includes a small flat surface designed for single adherent cells to plate, a cell plating region designed to protect the cells, and shaping designed to enable or improve flow-through operation. The micro-pallet is preferably patterned in a readily identifiable manner and sized to accommodate a single cell to which it is comparable in size. Each cell thus has its own mobile surface. The cell can be transported from place to place and be directed into a system similar to a flow cytometer. Since, since the surface itself may be tagged (e.g., a bar code), multiple cells of different origin and history may be placed into the same experiment allowing multiplexed experiments to be performed.

FULL DESCRIPTION

SUGGESTED USES

ADVANTAGES

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	7,951,580	05/31/2011	2004-430
United States Of America	Issued Patent	7,695,954	04/13/2010	2004-430

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OTHER INFORMATION

CATEGORIZED AS

- » Medical
 - » Research Tools
 - » Screening
- » Research Tools
 - » Other

RELATED CASES

2004-430-0

