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**Request Information** 

# 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	Туре	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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