Microdevice for Single and Multiple Cell Docking and Analysis

OCR Number: OCR 6490

Description:

- Simple fail-safe device for the hydrodynamic capture and long term imaging of single cells
- Hydrodynamic traps allow to dock the cells in the device without any immobilizing chemicals that otherwise induce cell responses
- Pump and tube free microfluidic device that docks single cells with greater than 85% retention efficiency over 12 hours
- Permits fast exchange of solutions during stimulation
- Allows studies of dynamic response from hundreds of single mammalian cells
- US Patent application “Microdevice for Single and Multiple Cell Docking and Analysis”

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Microfluidic device that operates based on passive flow in order to dock cells in an array within a few minutes and retain them over many hours

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