

Protocol for

1CellAssay-**Chamber Slide**

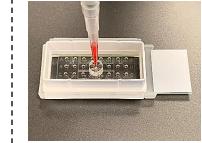
Innovative Biochips LLC

202 Industrial Blvd, Suite 703 Sugar Land, TX 77478, USA +1 (832)538-1925 info@ibiochips.com https://ibiochips.com/



Cell Preparation

Sinale-Cell Isolation

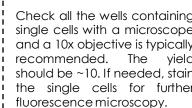


concentration of containing 16-32 cells.

Prepare cell suspension with a Load 65 µL of suspension into L After the solution flows out, L Check all the wells containing L Retrieve a single cell by setting Use two thumbs to press plastic 250-500 i the 1CellAssay-Chamber Slide. i keep holding the pipette to i single cells with a microscope i a pipette to 2 µL and pipetting i frames down on both sides to i cells/mL into a cell culture Vertically insert the pipette tip | prevent backflow. Then tilt the | and a 10x objective is typically | the well 3-5 times. After the cell I remove the chamber, allowing | medium or PBS buffer. Fully i into the Inlet Adaptor. Press the i tip to detach the Inlet i recommended. The yield i is fully suspended, retrieve it. the remaining microscope slide i suspend the cells and pipette | pipette plunger down to its first | Adaptor from the 1CellAssay- | should be ~10. If needed, stain | Alternatively, add ~3 mL culture | to be more accessible for further | up 65 µL of cell suspension 1 stop. Hold it for about 10 Chamber Slide. Discard the 1 the sinale cells for further seconds. DO NOT release.

pipette tip and Inlet Adaptor.

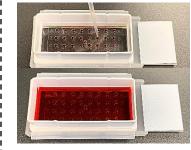
Removal of Inlet Adaptor



Cell Retrieval & Culture

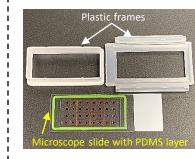


Single-Cell Imaging



to culture the single cells.

Removal of Chamber



i medium into the chamber slide i processing. If needed, the PDMS i layer can also be removed.

Applications

- Single-Cell Isolation & Assay
- Sinale-Cell Culture & Assav
- Fluorescent and Microscopy Analysis of Living or Fixed Cells

