Add Cell-Hydrogel Mixture **Isolate Single Cells Identify Single Cells 3D Culture Single Cells** Prepare Cells & Hydrogel Mix Cells & Hydrogel GGGGGGGGGGG i**Bio**chips **Applications**  Single-Cell Isolation from Cell **Protocol for** Lines and Primary Cells Day 0 Day 7 Single-Cell 3D Clonal Culture 1CellAssay® 3D Culture Kit Generation of Clonal Spheroids & Organoids for Drug Screening Warm the hydrogel at room's Fully suspend the cells and Find the three Inlet Ports on Attach the provided pipette tip Check all the wells containing After isolation, wait ~15 min at i !temperature or to 37°C. Prepare! pipette up 120 µL of cell 1 CellPlate-96well. After mixing with Inlet Adaptor to a pipette single cells with a microscope. I room temperature and add 1 Innovative Biochips LLC 202 Industrial Blvd, Suite 703 i 120 µL of cell suspension with 650-i suspension (containing 78-108 i with a pipette (Do not generate i and set it to 110 µL. Put the Inlet i Bright-field or fluorescence with i 100-200 µL of the (conditioned) iBiochips Sugar Land, TX 77478, USA 1,900 cells/mL. A pre-prepared cells). Mix the 120 µL of cell air bubbles), rapidly transfer 110 Adaptor on top of an Inlet Port. a 10x objective is typically culture medium into each well +1 (832)538-1925 iconditioned cell culture medium is suspension with 240 µL of including a single cell-hydrogel mixture is Press the pipette to its first stop is recommended. Write down well is containing a single cell. Culture info@ibiochips.com Lis typically recommended to use, hydrogel to generate a 360 µL; (containing 26-36 cells) into and hold the pressure for ~15 s; labels with target single cells. The to generate a 360 µL; (containing 26-36 cells) into and hold the pressure for ~15 s; labels with target single cells. The to generate a 3D cloning, such https://ibiochips.com/ 1 to aliquot cell-hydrogel mixture. 1 total yield should be ~30. 'in promoting single-cell growth. I of the cell-hydrogel mixture. each Inlet Port. 1 as a spheroid or an organoid.