Add Cell-Hydrogel Mixture Isolate Single Cells **Identify Single Cells 3D Culture Single Cells** Prepare Cells & Hydrogel Mix Cells & Hydrogel **Bio**chips **Applications** Single-Cell Isolation from Cell **Protocol for** Lines and Primary Cells Day 0 Day 7 Single-Cell 3D Clonal Culture 1CellAssay® Single-Cell Generation of Clonal Spheroids Isolation & 3D Culture Kit! & Organoids for Drug Screening iWarm the hydrogel at roomi Fully suspend the cells and iFind the three Inlet Ports on Attach the provided pipette tip iCheck all the wells containing i After isolation, wait ~15 min at i !temperature or to 37°C. Prepare! pipette up 120 µL of cell! 1CellPlate-96well. After mixing! with Inlet Adaptor to a pipette! single cells with a microscope.! room temperature and add! 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) 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 **Bio**chips +1 (832)538-1925 iconditioned cell culture medium is uspension 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 is 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 3D cloning, such https://ibiochips.com/ ! to aliquot cell-hydrogel mixture. ! total yield should be ~30. 1 as a spheroid or an organoid. 'in promoting single-cell growth. ' of the cell-hydrogel mixture. ' each Inlet Port.