

Protocol for

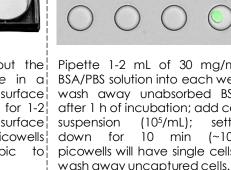
PicoWells In 6-Well Plate

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https://ibiochips.com/

hydrophilic.

Plasma Treatment



Single-Cell Capture

to picowells will have single cells); beads. Gently wash away the magnetic beads within

Single-Bead Capture

Take the lid off and put the Pipette 1-2 mL of 30 mg/mL Place a Disk Magnet at the Add cold cell lysis buffer onto Remove the Disk Magnet. Place a PCR tube containing PicoWells In 6-Well Plate in a BSA/PBS solution into each well; bottom of the picowells. Add the surface of picowells; Place a Cylinder Magnet on PBS on top of a strong Cube plasma cleaner. Treat the surface wash away unabsorbed BSA the barcoded magnetic bead tincubate for 10 min; add fresh the surface of picowells, and Magnet. Insert the Cylinder of picowells with plasma for 1-2 after 1 h of incubation; add cell suspension (≥ 106/mL) and settle lysis buffer (optional). The Disk move the Cylinder Magnet Magnet containing magnetic (10⁵/mL); settle | down for 10 min to allow most | Magnet at the bottom will | across the entire surface of | beads with captured mRNA properties of PDMS picowells down for 10 min (~10% picowells to capture single

uncaptured beads.



Single-Cell Lysis

stability increase the

picowells.



Beads Collection

the ! into the PBS: strongly stir up and of | picowells to collect the | magnetic beads with captured | down to transfer beads to the

mRNA.



PCR tube.

Beads Transfer

Single-Cell/Bead Isolation Single-Cell/Bead Imaging

Sinale-Cell RNA-Sequencing The Disk Magnet, Cylinder

Applications





Magnet, and Cube Magnet