



SF-8. No change in JC-1 staining phenotypes after transfection of a mimic or inhibitor.

iPS-hRPE cells (P3) were seeded into 24 wp with a cell density of 5×10^5 cells/ml \times 0.5 ml/well and cultured for 14 days. Changes in the MMP were detected using the JC-1 Mito MP Detection Kit. The collected cells were incubated with 2 mM JC-1 for 30 min at 37 ° C and then analyzed with BD FACS Cant II for fluorescence FITC (green) and PE (red). The upper lane shows the dot plot indicating the presence of RPE cell SPs distinct in the MMP, and the second and third lane respectively show histograms of red PE fluorescence by aggregated dimeric JC-1 and green FITC by monomeric JC-1. Three subpopulations, green⁺ and red⁺⁺⁺ (P1), green⁺⁺⁺ and red⁺⁺⁺ (P2), and green⁺ and red⁺ (P3) were detected in gate B. The changes in the JC-1 staining phenotypes of iPS-hRPE cells were analyzed by FACS 24 h after transfection with the NC mimic, miR-494-3p mimic, NC inhibitor, and miR-494-3p inhibitor. No significant changes were confirmed.