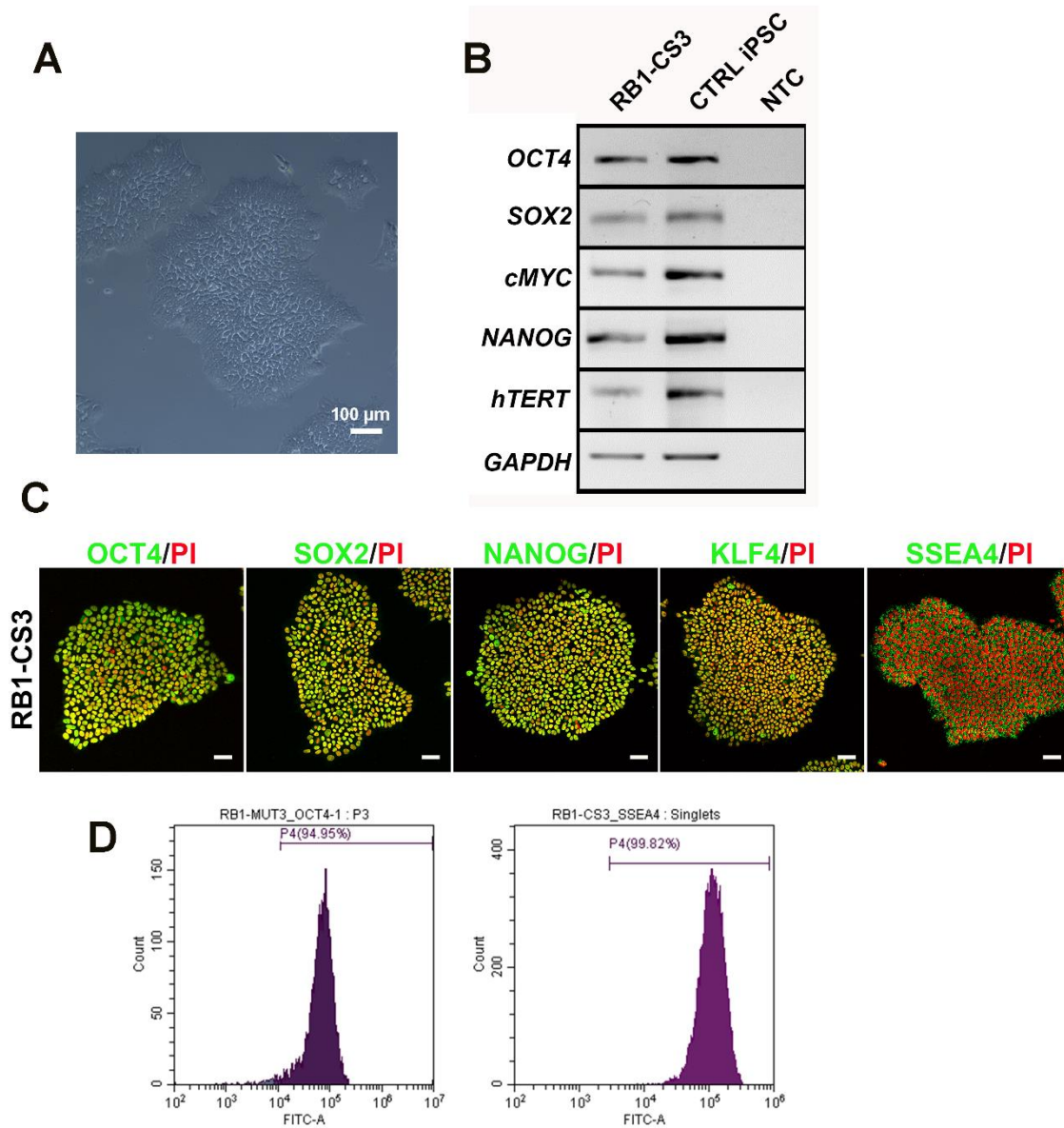


## Characterization of RUCDRi002-A-65 for stemness by RT-PCR, Immunocytochemistry and FACS



**Figure: Characterization of RUCDRi002-A-65 for stemness: (A)** Phase contrast image of well-established iPSC clonal line, RUCDRi002-A-65 at passage 10; **(B)** RT-PCR profiles of endogenous gene specific amplicons confirmed the expression of stemness promoting gene transcripts namely, *OCT4*, *SOX2*, *cMYC*, *NANOG* and *hTERT*, at levels comparable to that of control iPSC line, RUCDRi002-A; **(C)** Confocal images of the immunolabelled iPSCs showing the expression of stemness markers OCT4, SOX2, NANOG, KLF4 and SSEA4 (in green). The cells are counterstained with DAPI (in blue); Scale bar: 50  $\mu$ m. **(D)** FACS analysis confirmed that >94% of cells were positive for stemness markers OCT4 and >99% of cells were positive for SSEA4 in the iPSC line RUCDRi002-A-65.