MATRIXOME

Detachment Method using EDTA for human iPS cells cultured on iMatrix^{TM}-511 (laminin-511E8)

(In the case of 6 well plate)

0) Culture human iPS cells for 7 days on the plate pre-coated with 0.5 μg/cm^2 iMatrix^{TM}-511
1) Aspirate the used medium.
2) Wash the cells with 2 ml/well of 5 mM EDTA/PBS(-) twice.
3) Incubate the cells with 1 ml/well of 5 mM EDTA/PBS(-) at 37℃ for 15 min
4) Aspirate EDTA/PBS(-).
5) Add 1 ml/well of StemFit medium containing Y27632. Pipet repeatedly to detach and dissociate the cells into single cells.
6) Count the number of the cells and seed the cells accordingly.

** This protocol is NOT the final version. We may possibly modify the protocol later.*

*** The cells maintained high viability, high proliferation rate, undifferentiated state and normal karyotype after 10 passages with this protocol.*

**** Incubation time depends on the cell line. Incubation time may be shortened to 10 minutes.*

***** Protocol should work with ES Cells but currently untested.*