

Corning® Synthemax® II-SC Substrate

synthetic self-coating substrate for pluripotent stem cell culture

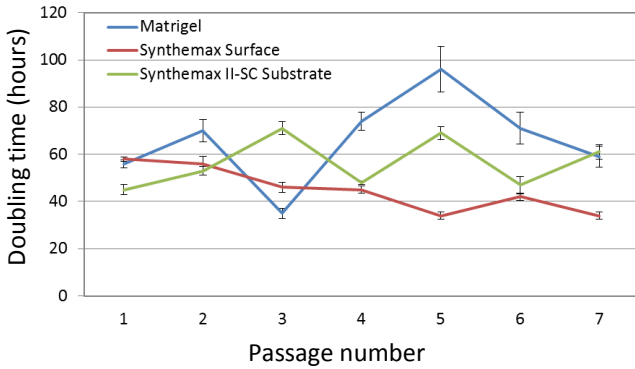
CORNING



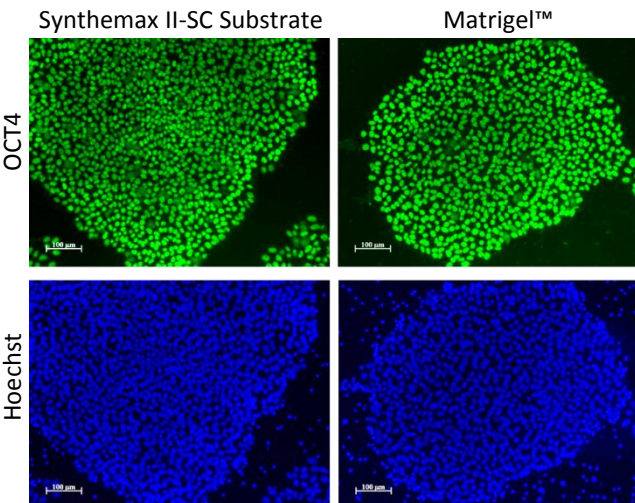
Cat. # 3535XX1

- ❑ Animal-free, synthetic alternative for feeder layers and biological coatings
- ❑ Easy to coat
- ❑ Lot traceable
- ❑ Gamma irradiated
- ❑ Quality tested for lot-to-lot consistency

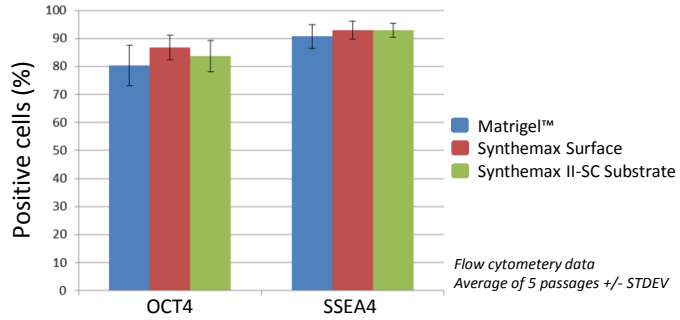
hiPSC doubling time during 7 serial passages on Synthemax II-SC Substrate



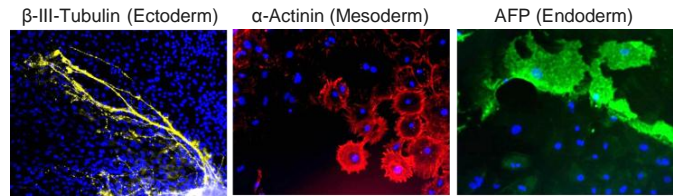
OCT4 immunofluorescent staining of hiPSCs after 5 passages on Synthemax II-SC Substrate



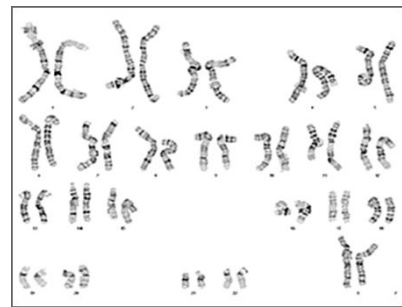
Pluripotency marker expression in hiPSCs during 5 passages on Synthemax II-SC Substrate



hiPSCs cultured on Synthemax II-SC Substrate for 7 passages maintain the ability to differentiate to cells of all three germ layers



hiPSCs maintain normal karyotype after multiple passages on Synthemax II-SC Substrate



Summary

- ❑ Synthemax II-SC Substrate coated plates support multipassage culture of hiPSCs in defined medium
- ❑ hiPSCs cultured on Synthemax II-SC Substrate coated plates maintain pluripotency markers, normal karyotype and ability to differentiate to cells of all three germ layers