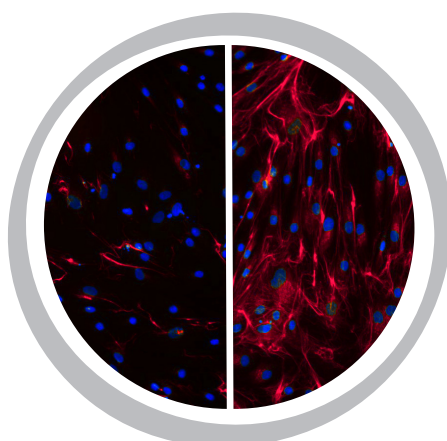
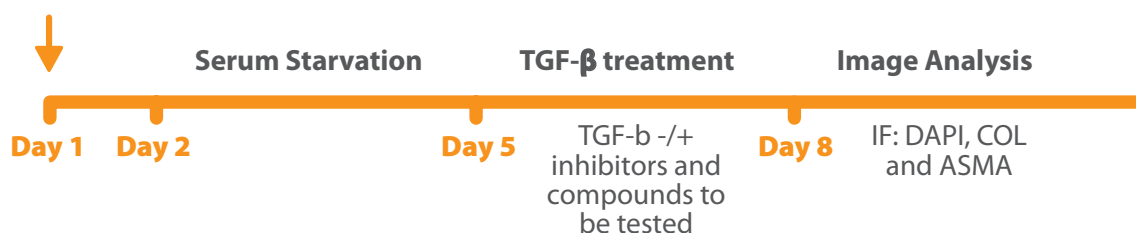


TGF- β INDUCED FIBROSIS on Immortalized Human Dermal Fibroblasts

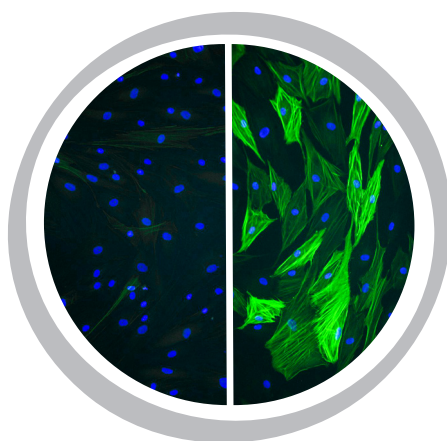
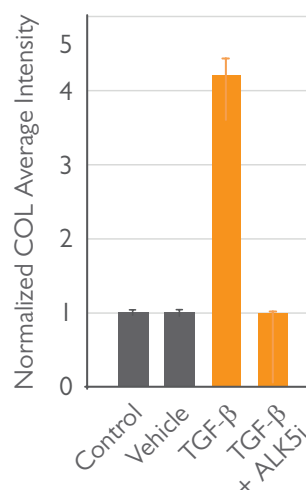
Immortalized dermal fibroblasts are seeded in MW96 plates at a density of 5.000 cells/well. On day 2, cells are serum starved for 72h. After that, cells are incubated with the compounds in the presence or absence of 5 ng/ml TGF- β for 72 hours. Finally, an immunofluorescence for DAPI, alpha-Smooth Muscle Actin (ASMA) and Collagen (COL) is performed. Images are taken and analyzed using the CellInsight CX7 HCS Platform and analyzed using the HCS Studio Cell Analysis Software.

Using a specific TGF- β type I receptor (Alk5i) inhibitor, known as SB525334 (CAS Number 356559-20-1) the expression of Collagen and ASMA is disrupted.

IMM-Human Dermal Fibroblasts



COL Control COL TGF- β



ASMA Control ASMA TGF- β

