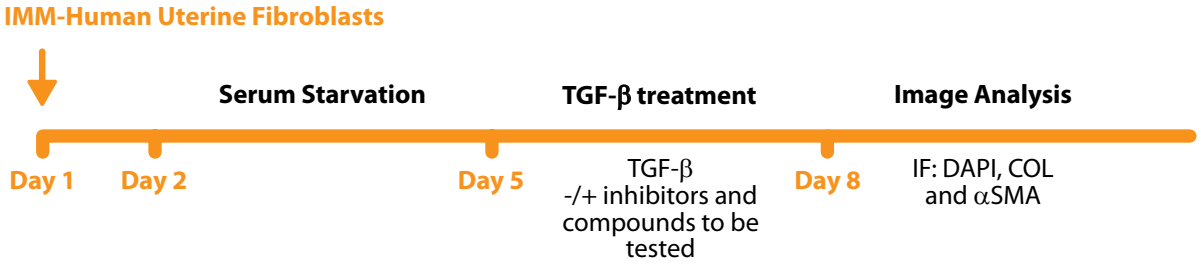
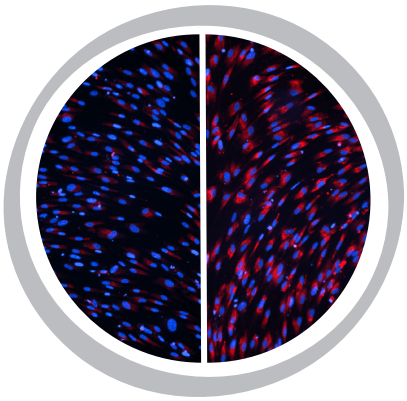
UTERINE FIBROSIS *IN VITRO* MODEL

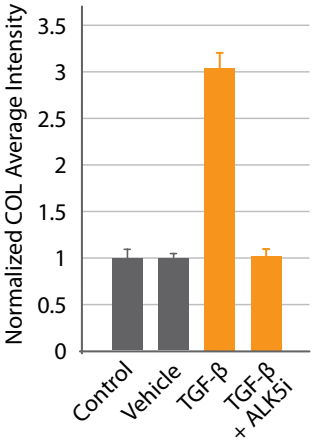
TGF-β INDUCED FIBROSIS ON IMMORTALIZED **HUMAN UTERINE FIBROBLASTS**

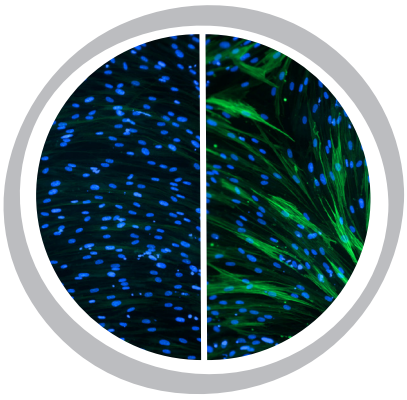
Immortalized Human Uterine Fibroblasts are seeded in MW96 plates at a density of 5.000 cells/well. On day 2, cells are serum starved for 72h. After that, cells are incubated with the compounds in presence or absence of 10 ng/ml TGF-β for 72 hours. Finally, an immunofluorescence for DAPI, Collagen (COL) and ASMA is performed. Images are taken using the CellInsight CX7 HCS Platform and analyzed using the HCS Studio Cell Analysis Software. Using a specific TGF-β type I receptor inhibitor (Alk5i), known as SB525334 (CAS Number 356559-20-1) the expression of ASMA and COL are disrupted.



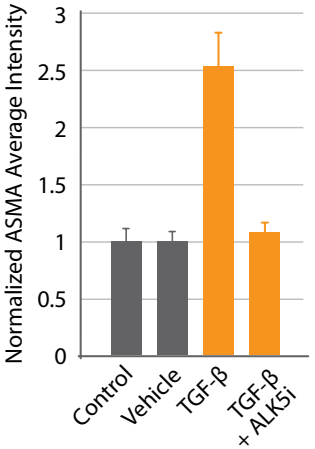


COL Control COL TGF-β





ASMA Control ASMA TGF-β



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