**S1 Material and Methods**

**Human Dermal Fibroblast (HDF) isolation and cultivation**

Primary Normal Human Dermal Fibroblasts (NHDF) were generated during the separation of HDMECS into LECs and BECs as CD31-/PDPN- cell fraction. For culturing, Dulbecco's Modified Eagle Medium (DMEM) with 1% Pen/Strep solution supplemented with 10% fetal calf serum (FCS) was used. HDFs were grown in an incubator at 37°C and 5% CO2.