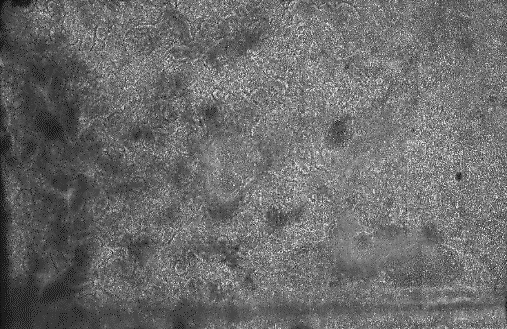
**Supporting Information**



**S8 Fig.** Overview of the entire microchamber of Caco-2 cells at day 8 of *in vitro* cell culture. Caco-2 cells showed very observable dark patches at regions close to the inlet of the microchamber (indicated by red arrows). Caco-2 cells displayed villous-like structures. (scale bar = 50 µm)