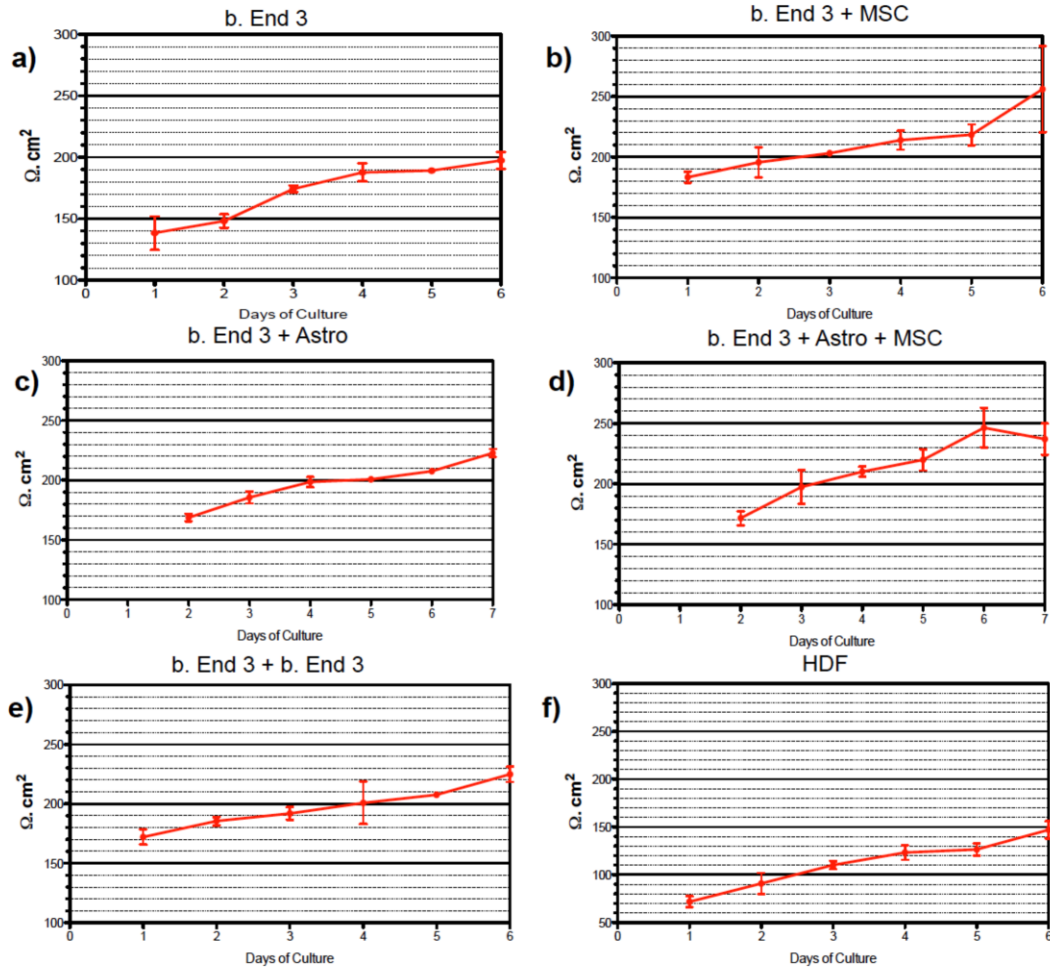


## Supporting Information

### Pericytes from Mesenchymal stem cells to model for the blood-brain barrier

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	bEnd.3	bEnd.3 +MSC	bEnd.3 +Astro	bEnd.3+MSC +Astro	bEnd.3+ bEnd.3	HDF
Day1	85	127	114	116	117	17
Day7	143	202	168	182	170	94

TEER average value, corrected for background (filter, coating, media), unit:  $\Omega \cdot \text{cm}^2$ .

Figure S1. Transendothelial electrical resistance (TEER) of the in vitro BBB models over 7 days. a) bEND.3 cells alone. b) bEND.3 cells co-cultured with MSCs. c) bEND.3 cells co-cultured with astrocytes. d) bEND.3 cells co-cultured with astrocytes and MSCs. e) bEND.3 co-cultured with bEND.3 on the opposite side of transwell insert. f) TEER of HDF (human dermal fibroblast) cell monolayer as control group. (n=6) The tables indicate the average TEER value from all co-culture models.

Movie S1. Please refer to online supplementary video.