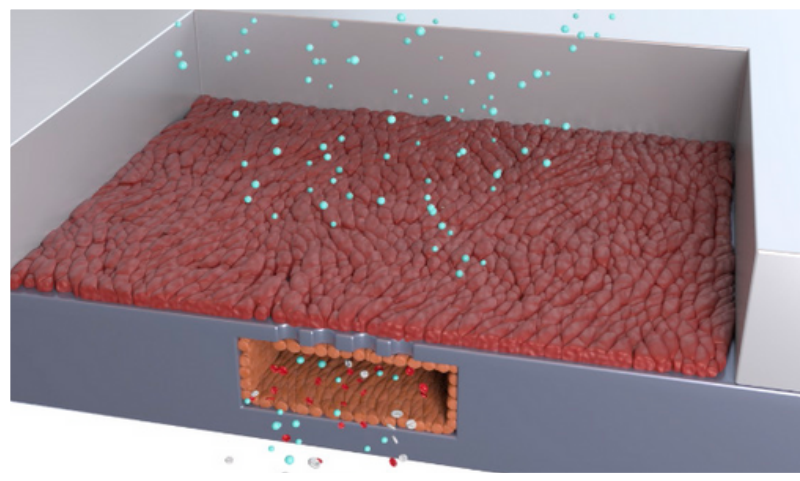


An Organ-on-Chip model always starts from a **perfect endothelial layer**

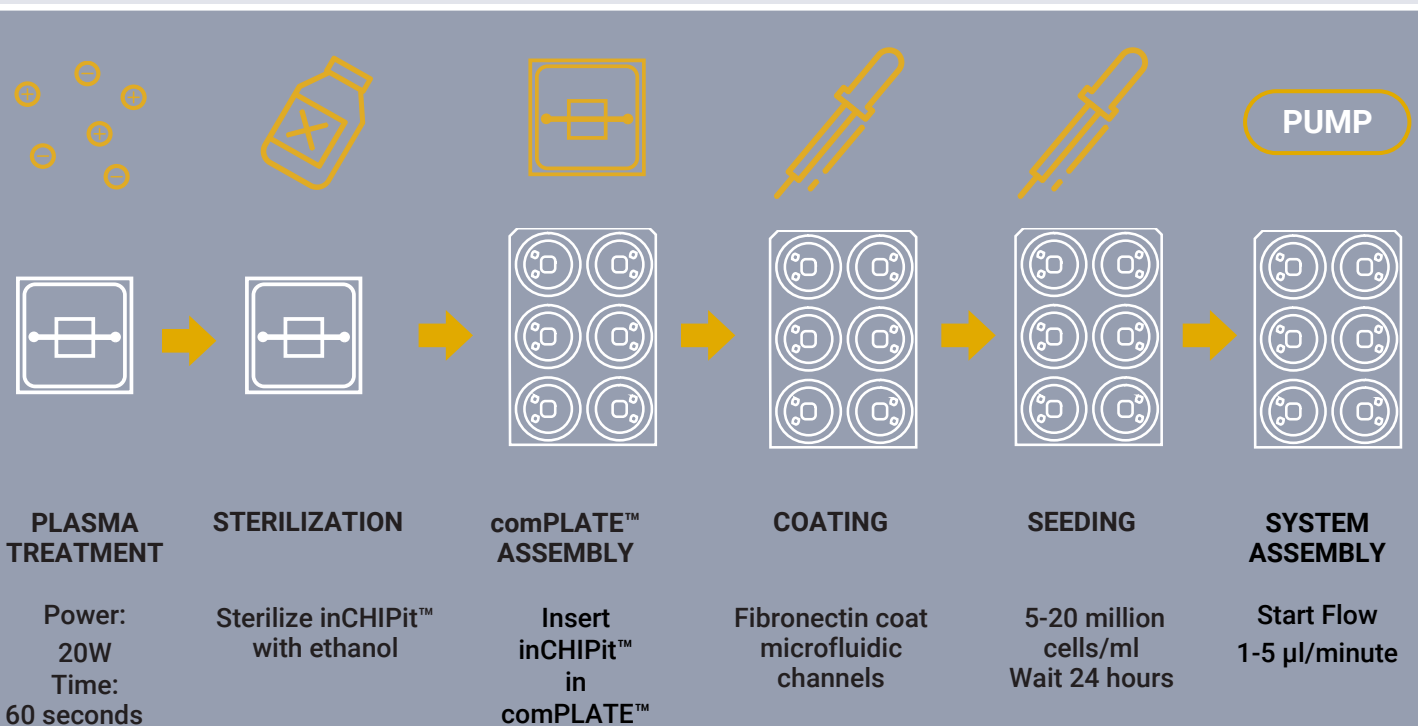


Using our inCHIPit™, you can:

- Create a robust model to study cell alignment, maturation and expression profile during flow
- Acquire accurate quantification of the barrier integrity and cellular transport across the culture barrier
- Quantify barrier integrity and cellular migration
- Increase reliability and reproducibility of your results

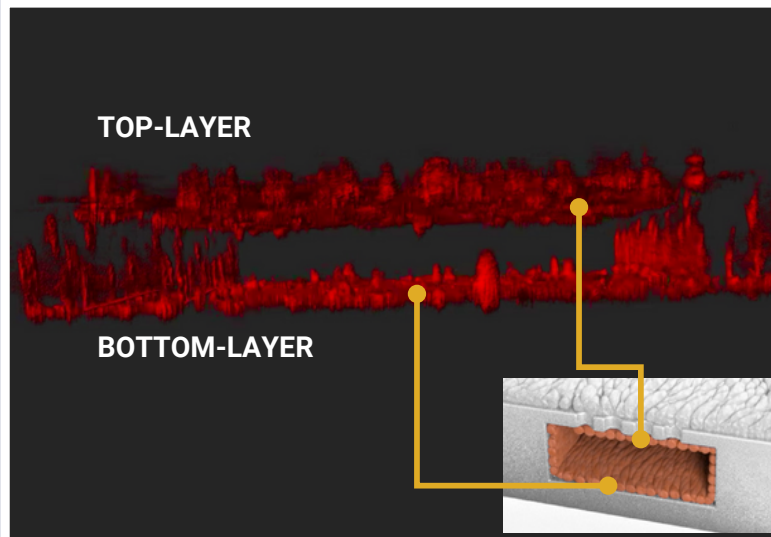
Create a blood vessel with a wide range of cell sources: primary (HUVECs), iPSC-derived ECs, cell lines (HMEC-1) or any organ-specific endothelial cells.

General Protocol



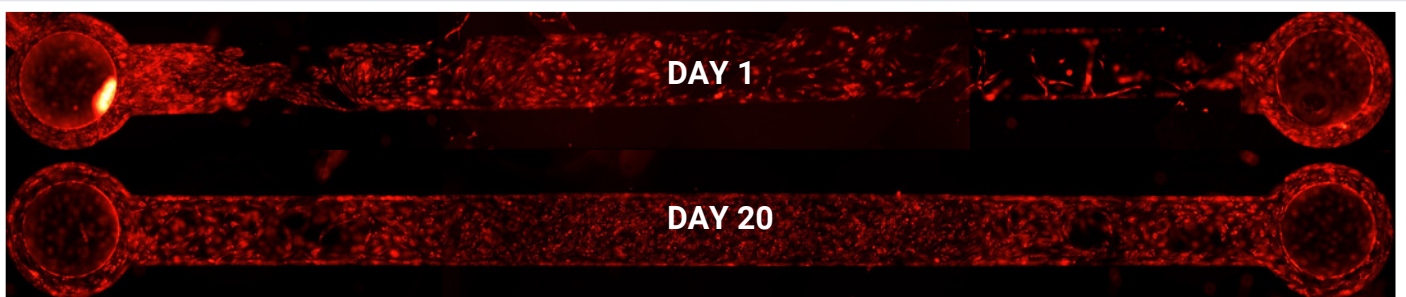
Advantages of our system:

Covering the whole channel in a single seeding step



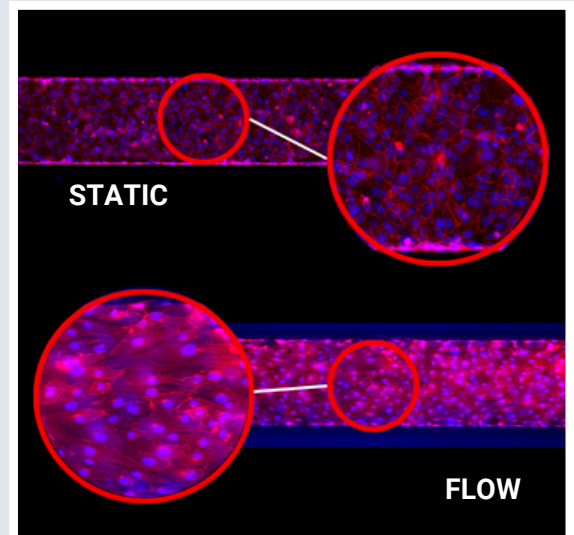
Achieve full channel coverage with a simple step. Acquire accurate quantification of the barrier integrity and cellular transport across the culture barrier.

Long-term culture



- Establish an organ-specific microenvironment for your co-culture.
- Vascularize your tissue model including organoids/tumoroids, tissue slices, etc.
- Achieve long-term continuous perfusion, supplying nutrients and oxygen to your tissue model.

Cellular alignment with flow



Utilize a robust model to study cell alignment, maturation and expression profile during flow.