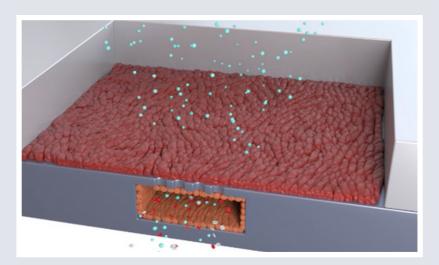


An Organ-on-Chip model always starts from a perfect endothelial layer

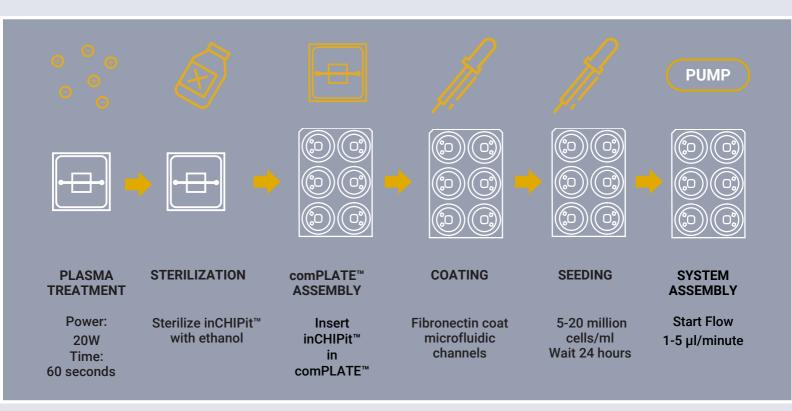


Using our inCHIPit™, you can:

- 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.

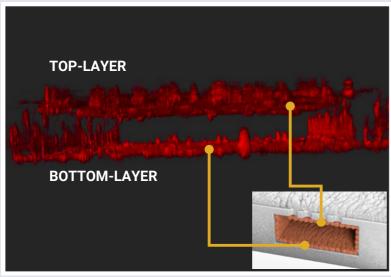
General Protocol



www.gobiond.com - info@biondteam.com

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.

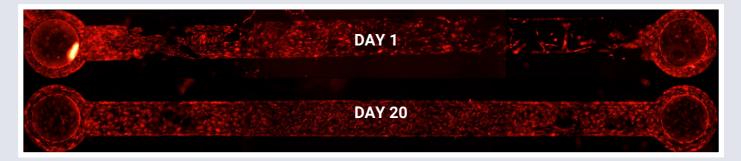
STATIC

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

FLOW

Cellular alignment with flow

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.



The data presented in this brochure was developed in collaboration with the Department of Anatomy and Embryology, Leiden University Medical Center. Immunofluorescent images in this brochure are courtesy of LUMC.

For more information about our system and to know more about the comPLATE™ and the inCHIPit™, get in touch through info@biondteam.com / www.gobiond.com.