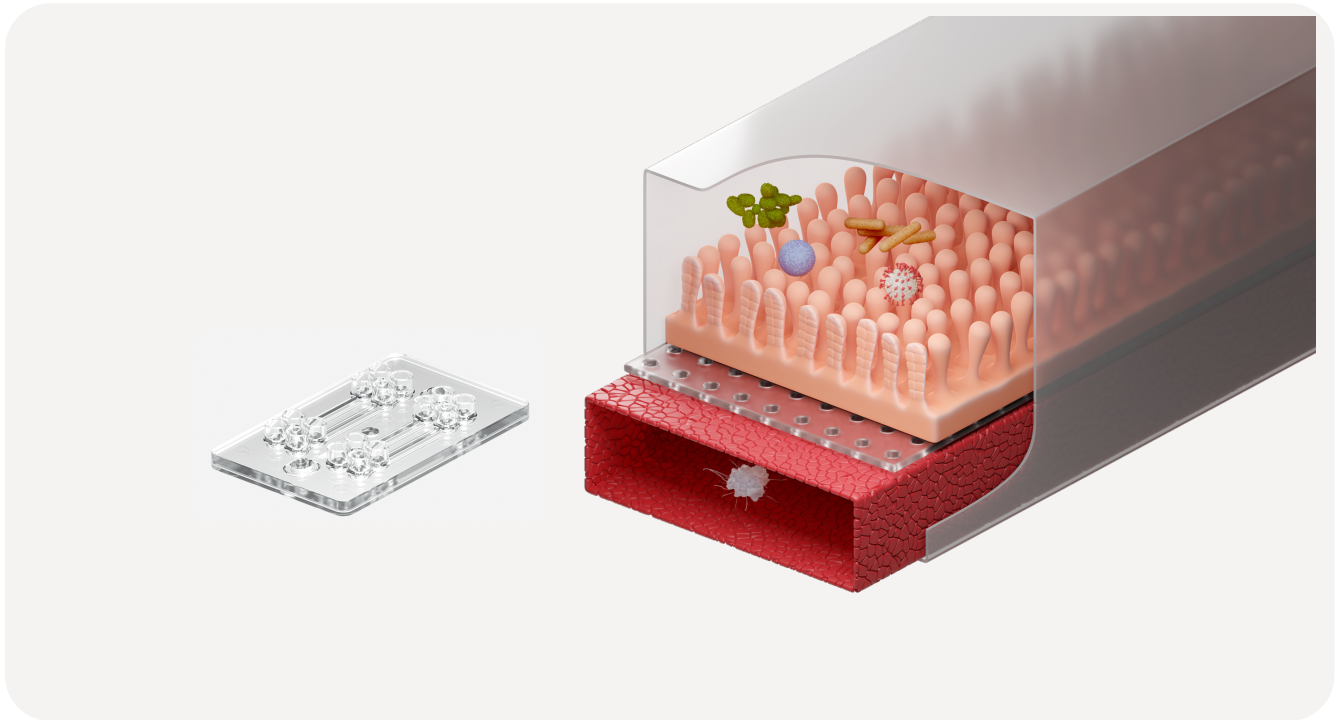


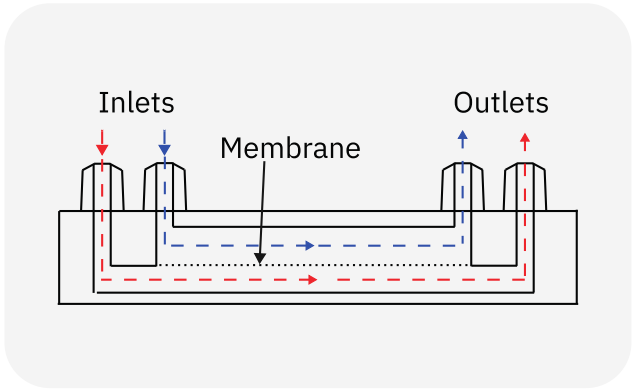
# Technical specification



A dynamic organ on chip platform with a vertically stacked channel design separating endothelial and epithelial channels with a permeable membrane. Micro-engineered environment allows to recreate various organ on chip models such as kidney, gut, lung, blood-brain barrier, pancreas, kidney and others.

Key features:

- Suitable for drug discovery with non-absorbing material
- Controlled gas environment for hypoxia conditions
- Mass manufactured with high reproducibility and precision



Material		COC
Number of units/organs per chip		4
Dimensions		50 x 30 mm
Inlet connection		Mini Luer
Outlet connection		Mini Luer
Pumping		Continuous flow
Top channel	Width x height	1.10 x 1.25 mm
	Area	19.8 mm <sup>2</sup>
	Volume	24.8 µl
Membrane	Material	PET
	Pore size/density	Customizable [Standard: 3 µm, 0.5*10 <sup>6</sup> , 5.7% porosity]
	Thickness	20 µm
	Co-culture area	18 mm <sup>2</sup>
Bottom channel	Width x height	1.0 x 0.2 mm
	Area	27 mm <sup>2</sup>
	Volume	5.4 µl
Sterilization		Ethylene oxide