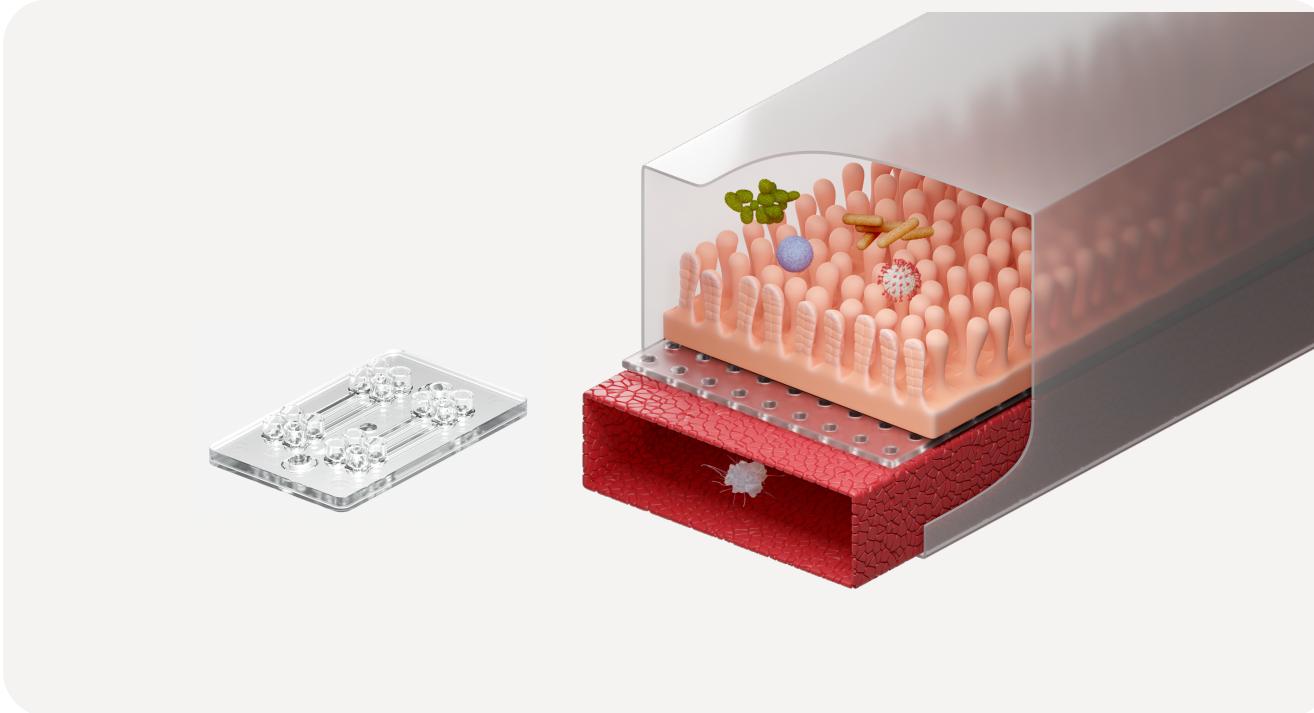


Technical specification



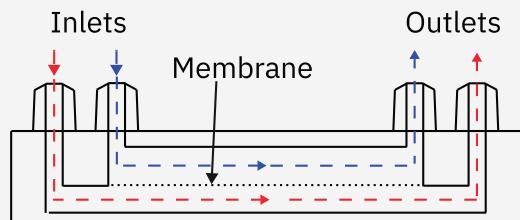
A dynamic organ on chip platform with a vertically stacked channel design separating endothelial and epithelial channels with a permeable membrane. Micro-engineered environment allows to recreate various organ on chip models such as kidney, gut, lung, blood-brain barrier, pancreas, kidney and others.

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 ²
	Volume	24.8 µl
Membrane	Material	PET
	Pore size/density	Customizable [Standard: 3 µm, 0.5*10 ⁶ , 5.7% porosity]
	Thickness	20 µm
	Co-culture area	18 mm ²
Bottom channel	Width x height	1.0 x 0.2 mm
	Area	27 mm ²
	Volume	5.4 µl
Sterilization	Ethylene oxide	