

BE-FLOW2D3 is a versatile microfluidic device for cell culture under biomimetic conditions. It allows a combination of a 2D-3D organized coculture with the possibility of establishing flows with or without cells over the epithelium. Our most biomimetic microdevice to copy in vitro different tissue structures.

Examples of applications are immune system in vitro model, Vascular-atheroma plaque formation, Epithelial adhesion.

For further information, please visit <https://beonchip.com/be-flow-2d3/> or contact BEOCNHIP

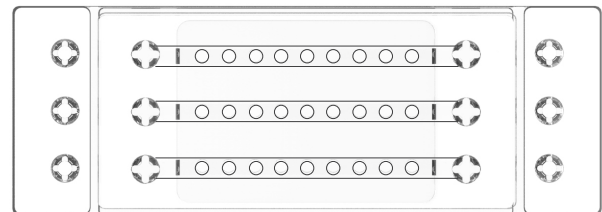
## MATERIAL

BE-FLOW2D3 chips are made of biocompatible plastic and are gas-impermeable, for effective gradients of CO<sub>2</sub>, O<sub>2</sub>, etc. They have excellent optical properties, with high transparency and low auto-fluorescence.

## TECHNICAL FEATURES

BE-FLOW2D3 is a combination between Be-Flow and Be-Multiwell so are the same features as in the other devices.

	Channel up	Chambers	Channel down
Quantity	3	27	3
Height	200 µm	700 µm	200 µm
Width	1200 µm	1 mm	500 µm
Volume	6 µL	0,5 µL	3,8 µL
Lenght	24,6 mm	1 mm	37 mm
Area	29,5 mm <sup>2</sup>	0,79 mm <sup>2</sup>	18,6 mm <sup>2</sup>
Total volume	6 µL		9 µL
Total area	29,5 mm <sup>2</sup>		25,7 mm <sup>2</sup>



## CONTENT

The product reaches the user sterilized (10 Be-Flow2D3 per box). It can be stored in dry places which are not exposed to direct sunlight at room temperature (15-25°C).