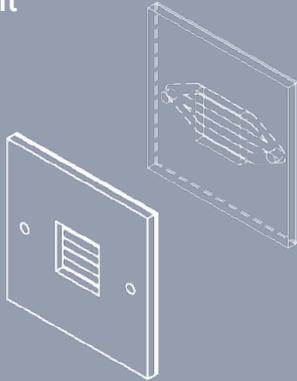
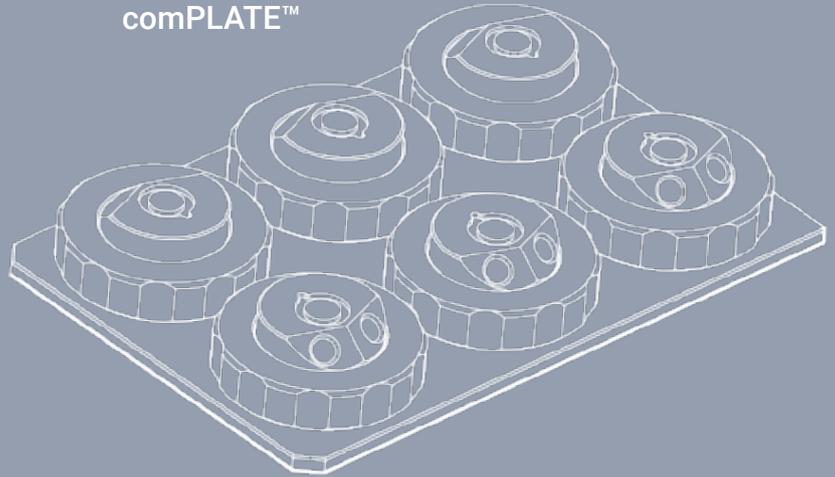


Bi/ond: inCHIPit™ and comPLATE™ technical information

inCHIPit™

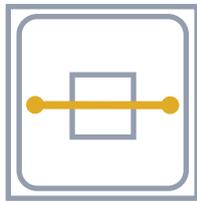


comPLATE™



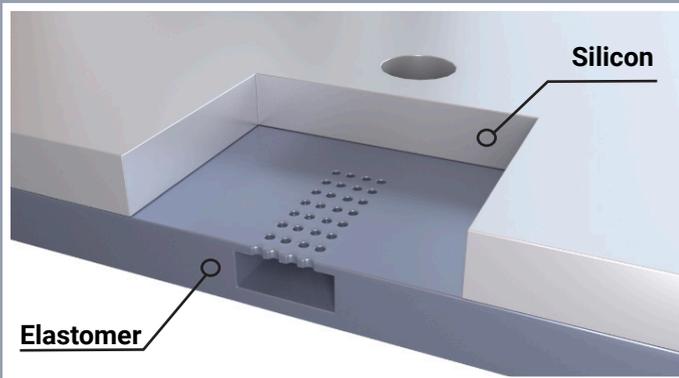
I. Dimensions and useful information about the inCHIPit™

Two versions of the inCHIPit™ are currently available:

	inCHIPit-3C™ (Tri-channel)	inCHIPit-1C™ (Mono-channel)
		
Channel/s width	500 µm	400 µm
Channel height	90-100 µm	
Volume Microfluidic channel	1.1 µl	0.3 µl
Pore dimension	4 µm	
Porosity	0.81 %	0.27 %
Well bottom dimensions	3x3 mm	
Volume well (without comPLATE™)	4.5 µl	
Volume well (with comPLATE™)	240 µl	
Well Transparency	95%	
Channel-well contact area	105.5·10 ³ µm ²	28.6·10 ³ µm ²
Application	Ideal for ex vivo tissues, organoids, microtissues	Ideal for tissue-tissue interface models.

If you want to customize any of these dimensions do not hesitate to contact us!

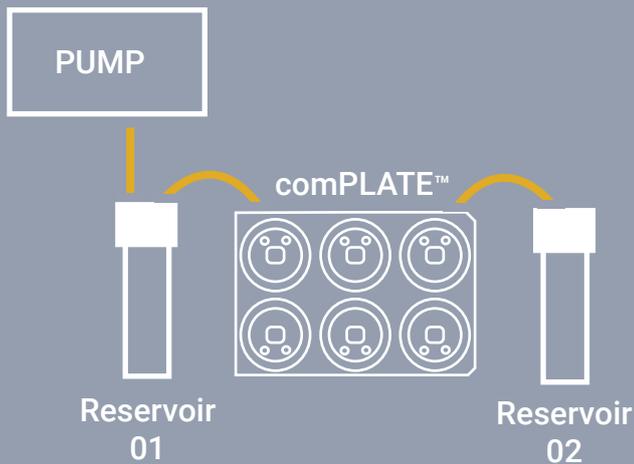
II. inCHIPit™'s materials



Bi/ond has reimagined the conventional Organ-on-Chip fabrication in order to drastically reduce the amount of materials that cause undesired drug absorption, while still exploiting the advantages of elastomeric materials (oxygen and optical transparency, biocompatibility and stretchability).

III. How to connect your comPLATE™ to your pump

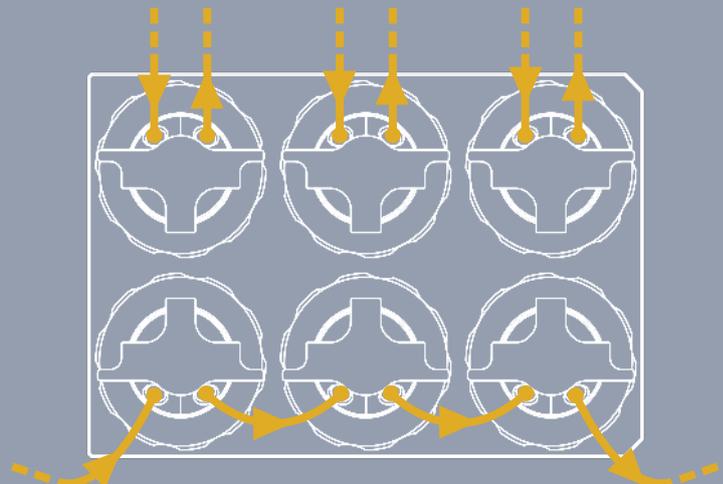
One of the possible way to create your microfluidic system with the comPLATE™



Contact us to know which is the layout compatible with your pump

IV. Connect your inCHIPit™ in series or in parallel

PARALLEL: Each inCHIPit can be independently connected to the pump



SERIES: the inCHIPits can be connected in series to create organ-organ interactions

V. How the comPLATE™ and the inCHIPit™ can interface with your cells

Nourish	Stimulate	Monitor
Nourish organoids, biopsys, and co-cultures with active flow	Mechanically stimulate your cells by inflating the chip substrate	Monitor the electrophysiological signals from cardiac cells and neurons
Flow: 1-300 ul/min	Strain: 1-10%	Electrode dimension: 30 µm
Already available	Request to be an early adopter	Under development. Be the first user in 2021!

For more information about our system and to know more about comPLATE™ and the inCHIPit™, get in touch info@biond.com / www.gobiond.com / Follow us on [LinkedIn](#) / [Twitter](#)