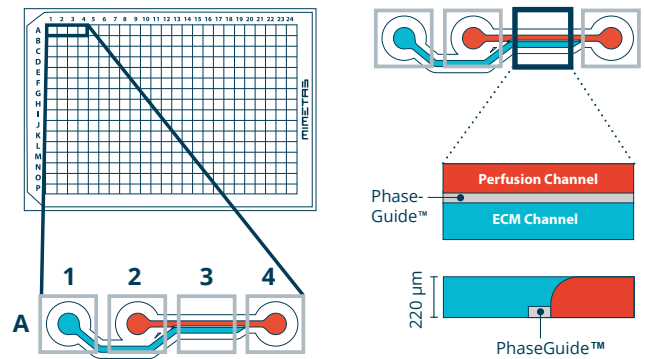


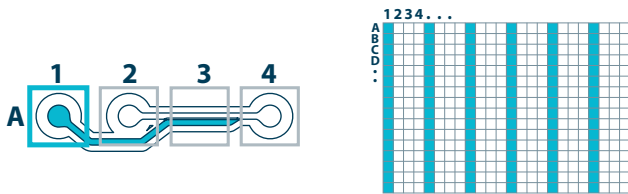
# OrganoPlate® 2-lane 96 in a nutshell

product code 9605-400-B

## Chip layout

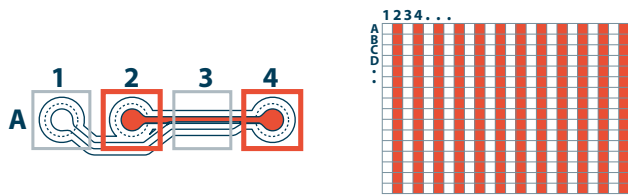


## Well layout



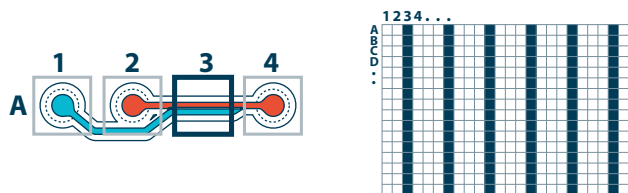
### ECM Channel

ECM-gel inlet (blue) is used to add extracellular matrix (ECM) gel, with or without cells.



### Perfusion Channels

Perfusion Channel Inlet and outlet of perfusion channel (red) is used to add medium with or without cells.

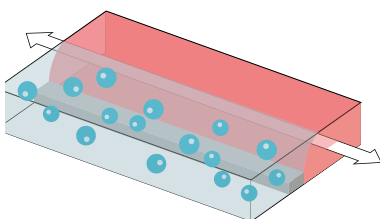


### Observation Window

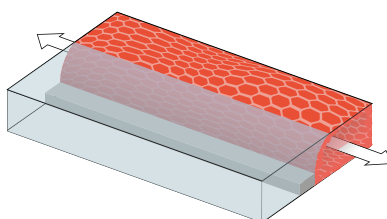
Used for imaging your culture. This is where the two channels come together and make contact (dark blue).

## Tissue culture possibilities

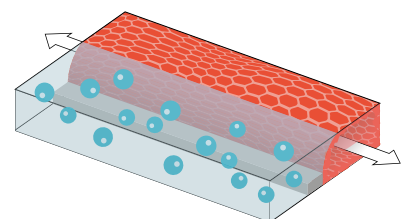
Culture in-ECM gel



Tubule against ECM



Tubule adjacent to cells in-ECM



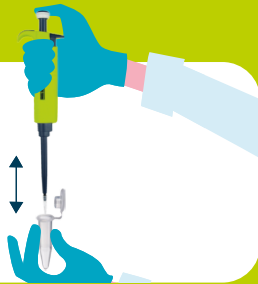
## OrganoPlate® 2-lane 96 how it works

1

Check for the latest protocols:  
[mimetas.com/support](https://mimetas.com/support)

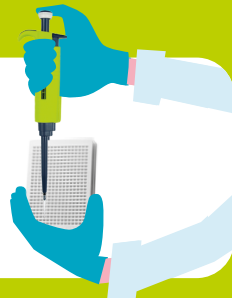
2

Select your ECM, cells & medium

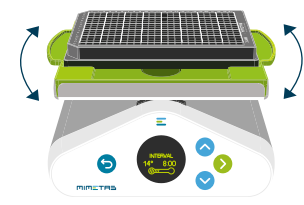


3

Load your plate according to protocols



4



Incubate and perfuse your culture

## Get started with OrganoPlate® 2-lane 96

### Related protocols

- Neurite outgrowth
- Monocyte adhesion assay
- RNA isolation from cultures

### Select your materials

#### Cells

Implement the cell type of your choice: cell lines, primary cells, iPSC-derived cells, organoids, spheroids, and more.

#### Extracellular matrix (ECM)

Select your ECM. For example Collagen I.

### Equipment

#### Suggestions from our scientists:

- Liquid handling machine (if applicable)
- OrganoFlow® L for advanced perfusion control
- Confocal microscope, high-content reader, plate reader
- Pipettes 1 - 200  $\mu$ L
- Optional: multichannel pipette 5 - 350  $\mu$ L

## Related instruments

**Organoflow®**  
Perfuse your cultures with OrganoFlow's programmable rocking.

