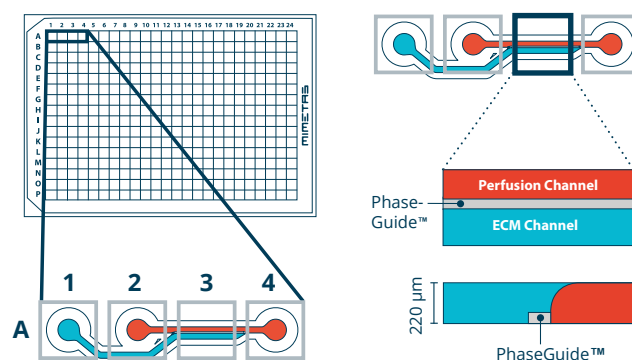


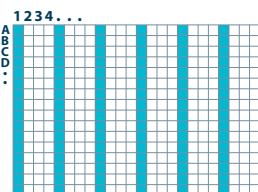
OrganoPlate® 2-lane 96 in a nutshell

product code 9605-400-B

Chip layout

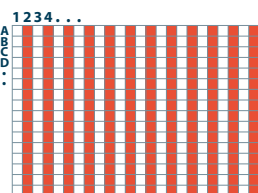


Well layout



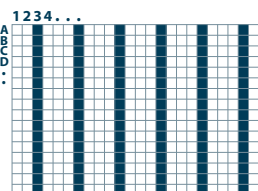
ECM Channel

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.

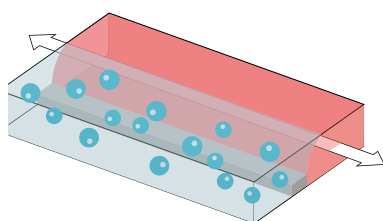


Observation Window

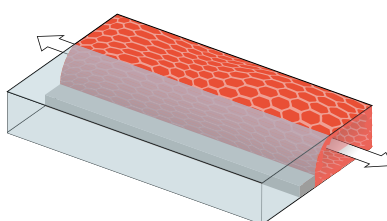
Used for imaging your culture. This is where the two channels come together and make contact (dark blue).

Tissue culture possibilities

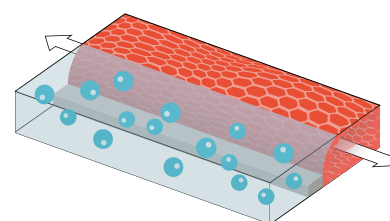
Culture
in-ECM gel



Tubule
against ECM



Tubule adjacent
to cells in-ECM



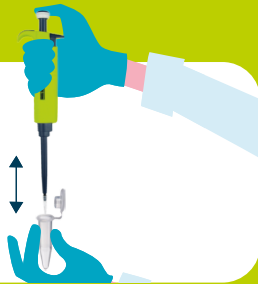
OrganoPlate® 2-lane 96 how it works

1

Check for the latest
protocols:
mimetas.com/support

2

Select
your ECM,
cells &
medium

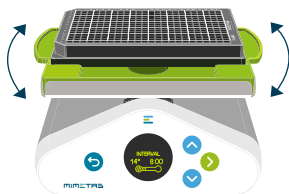


3

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 µL
- Optional: multichannel pipette 5 - 350 µL

Recommended best by:

The OrganoPlate® 2-lane 96 offers optimal seeding performance when used within 12 months from purchase.

Related instruments

OrganoFlow®

Perfuse your cultures
with OrganoFlow's
programmable rocking.

