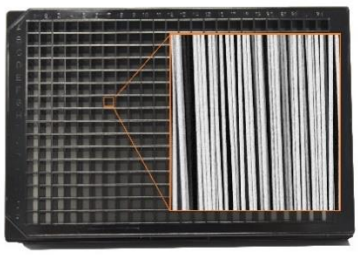
MIMETIX
CELLS IN 3D

Mimetix® Aligned 384-well plate with rhodamine



The Mimetix Aligned 384-well plate is an easy to use tool for the culture of cells which are influenced by topographical features, including cells that myelinate. The fibres contain rhodamine for ease of imaging and analysis.

Product Code TECL015

Product Description:

Mimetix aligned fibres containing rhodamine-6G are incorporated into a standard 384-well plate frame using a proprietary laser-welding technology which provides minimal base distortion and avoids the use of glues.

The base is 190 µm polystyrene with excellent optical properties and high light transmission.

Scaffold Specifications:

- Material: medical-grade poly-L-lactide (PLLA)
- Label: Rhodamine-6G
- Orientation: Aligned
- Fibre diameter: 2 µm
- Scaffold thickness: 2-4 µm
- Scaffold density: 130 fibres/mm
- Non-biodegradable in *in vitro* applications

Plate Specifications

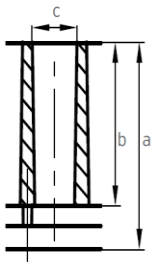


Plate width:	127.76 ± 0.25 mm
Plate depth:	85.48 ± 0.25 mm
Plate height (a):	14.35 ± 0.25 mm
Well depth (b):	11.35 ± 0.25 mm
Well diameter (c):	3.70 ± 0.10 mm
Distance to centre of A1 from top edge:	8.99 ± 0.25 mm
Distance to centre of A1 from left edge:	12.13 ± 0.25 mm
Pitch (distance between A1 and A2):	4.50 mm

- Supplied with lid and individually-sealed
- Treated with gamma or e-beam irradiation
- Store at room temperature in the dark
- Manufactured in the U.K.

Features:

- Compatible with industry-standard automated handling and imaging equipment including fluorescence microscopy
- Protocols for cell seeding, assays, and imaging are available in Technical Support on our website

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Please visit our website for more information on our products, protocols and to order samples.

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Precondition

The Mimetix scaffold needs to be wetted with ethanol in order to allow the cells to attach to the fibres.

- Add 30 μL of 20% ethanol per well.
- Allow ethanol to soak into the membrane for 5 min, then aspirate it carefully without touching the scaffold.

Wash

- Wash scaffold twice with PBS.
- Leave scaffold in cell culture medium until cell seeding.

Seed

Seeding densities are guidelines only. Density as for 2D culture.

- Add your cells suspended in 30-60 μL cell culture medium.

Exchange medium

- For long-term experiments semi-exchange the cell culture medium every 3 days.

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