PRODUCT SHEET

Made in FRANCE by Cell&Soft — La FRENCH TECH

MecaChips®

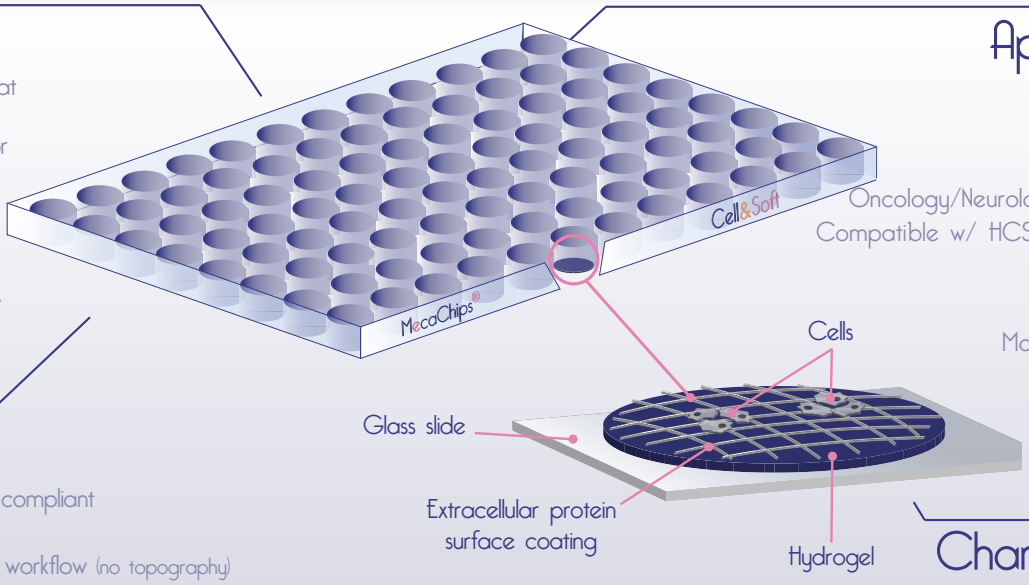
SOFT CULTURE PLATES FOR PLEASED CELLS

Why using MecaChips® culture plates?

In vivo, cells lay in soft tissues with distinct physical properties. Rigidity plays a major role in a myriad of cellular mechanisms, such as carcinogenesis and metastasis formation, as well as stem cells differentiation and drug effectiveness. To be representative, *in vitro* cell devices should selectively provide culture conditions as close as possible to the mechanical microenvironment of targeted tissues.

Description

MecaChips® soft and flat matrices are new and physiological solutions for *in vitro* cell culture. They mimic the mechanical features of all human or animal tissues, thus preserving the cells *in vivo* characteristics.



Applications

Areas

Basic research |
Stem cells |
Oncology/Neurology/Cardiology |
Compatible w/ HCS/HTS platforms |

Tools

Cell biology |
Molecular biology |
Biochemistry |

Benefits

| Relevant, disruptive & compliant
| Plug & Play
| Scalable to screening workflow (no topography)
| No biological risk (synthetic matrix)
| Glass bottom (ideal for microscopy)
| Compatible with standard analysis

Characteristics

Storage

Temperature: +4°C |
Shelf life: 3 months |

Get your own functionnal MecaChips® culture plate:

1 CHOOSE YOUR STIFFNESS

Breast 1 kPa	Brain 6 kPa
Liver 3 kPa	Spleen 8 kPa
Pancreas 3.5 kPa	Kidney 9 kPa
Lung 4 kPa	Heart 10 kPa
Artery 5 kPa	Cartilage >25 kPa
Skin 5 kPa	Specific stiffness on request

2 CHOOSE YOUR COATING

Culture dedicated surface chemistry

- Vitronectin (human, recombinant truncated)
- Fibronectin (human, plasma)
- Collagen I (rat, tail)
- Laminin (mouse, EHC sarcoma)
- Poly-Ornithine / Laminin
- Poly-Ornithine

3 CHOOSE YOUR FORMAT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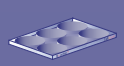
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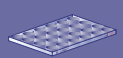
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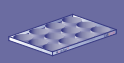
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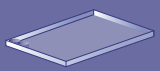
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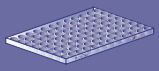
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