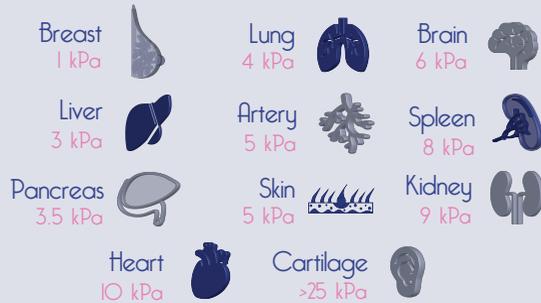


3 steps to get your own functional **Mecachips™**

1 CHOOSE YOUR ORGAN

Mechano-mimetic cell culture



2 CHOOSE YOUR COATING

Culture-dedicated surface chemistry

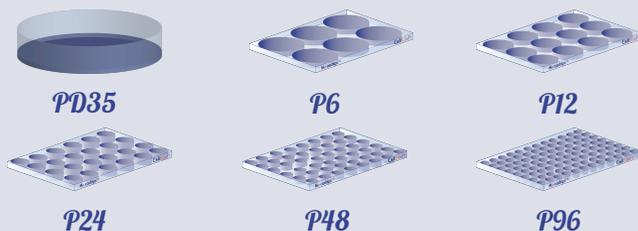
Culture dishes and plates are pre-coated with ECM protein or synthetic amino acid:



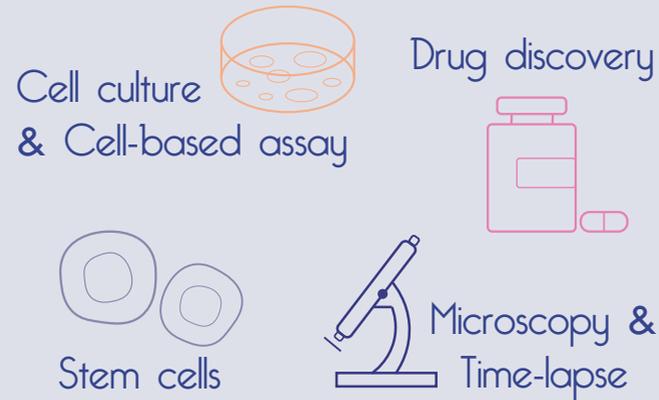
3 CHOOSE YOUR FORMAT

Standard formats*

*P384 upon request



Cell&Soft culture plates are dedicated to



Stay in touch with us

Cell&Soft

c/o CEA/CNRS/LTM

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Cell and Soft SAS property 2021

Cell&Soft

Let's reinvent cell culture!

A new generation of cell culture plates that offers soft and mechano-mimetic extracellular environments!

Robust

Reliable

Ready to Use

Easy to Use

Soft culture plates for pleased cells

Who are we?

Cell&Soft is a young french biotech located in the AURA region, in Grenoble City. Born from a joint project between LTM Lab (CNRS) and CEA BIG, Cell&Soft is specialized in the development, production and sale of soft and biomechanical substrates for *in vitro* cell culture. Cell&Soft offers solutions to enhance the physiology and the relevance of cell culture and cell-based assays.



Cell&Soft

Let's reinvent cell culture!

Our products

Did you know?

Animal tissues are soft, elastic, and mechanically textured. Many studies have documented skewed results coming from the non-physiological stiffness of the current culture plates. Among examples are phenotype drift of many primary cells, orientation of the stem cell fate, impact on chemotherapeutic response, bias in drug screening assays.

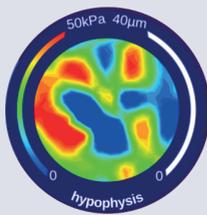
Why culture your cells on soft substrates?

Because our organs are one million times softer than plastic!



Mechano-sensing

Cells sense and respond to matrix stiffness (a mechanism called mechano-sensing). The mechanical properties of the microenvironment deeply impact cell behaviour, including transcriptional regulation, protein synthesis, endocytosis and malignant progression.



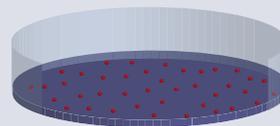
MecaChips®



Soft and flat matrices: new and physiologic solutions for *in vitro* cell culture

To adequately replicate physiologic conditions, *in vitro* cell devices should selectively offer an environment as close as possible to the mechanical microenvironment of targeted tissues. Mecachips® can mimic the mechanical features of tissues, and the soft environment on which each cell evolves, thus preserving their *in vivo* characteristics.

MecaTract



Soft hydrogel with fluorescent beads for *in vitro* traction force microscopy (TFM)

Traction force microscopy (TFM) is a recognized experimental technique that measures the surface forces, also termed as tractions, that cells exert on a substrate. Deformations can be tracked and quantified by recording the displacement of fluorescent beads already embedded in the substrate, as a result of the mechanical stress induced by an adherent cell.

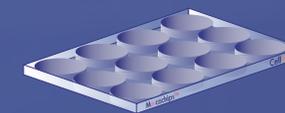
If you need further information, please have a look at our catalog of products.

Cell&Soft renders cell culture on soft hydrogels robust and user-friendly!

Standard Handling

Use Cell&Soft substrates the same way as standard culture plates:

- Aspirate culture media
- Gently shake
- Detach and passage cells

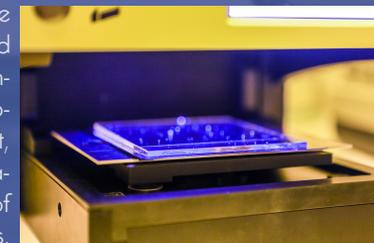


Standard analysis tools

- Compatible with robotic platforms imaging
- Amenable to downstream analysis (PCR, WB, Flow Cytometry)
- Validated for cell-based assays (cell survival, proliferation, labelling)

How are they fabricated?

Cell&Soft culture plates are manufactured in dust free ISO7 and in clean and sterile room environment. Relying on patented technologies, Cell&Soft elaborates soft, elastic and flat hydrogels of polyacrylamide that mimic the softness of tissues.



High quality standards



Cell&Soft guarantees full control of both the softness and the surface chemistry of the cellular environment. Cell&Soft culture plates are pre-coated, dehydrated, sterile (UV-treated) and meet ANSI/SBS specifications.