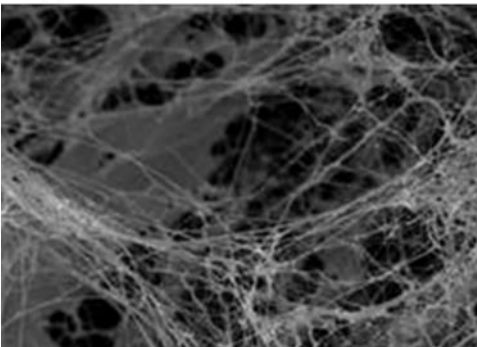


Biotechnology company specialized in cell imaging
which provides HCA/HCS services

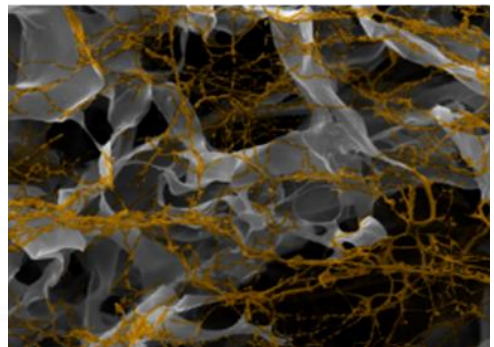


BIOMIMESYS® Biofunctionalized hydrosccaffold for 3D cell culture

To better mimic the tissue
microenvironment and provide more
predictive tools for drug development



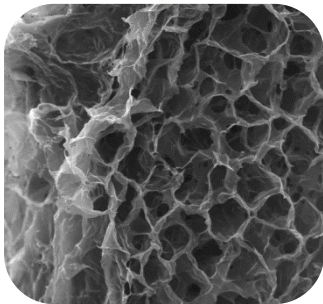
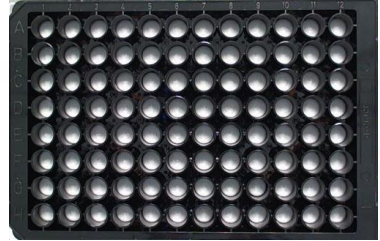
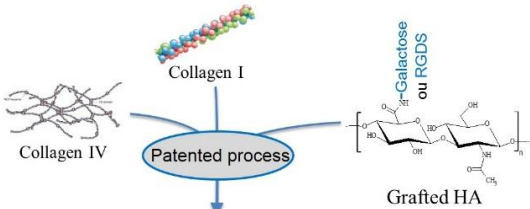
Decellularized *in vivo* ECM



BIOMIMESYS® Scaffold

Precast matrix in a 96-WELL PLATE

The only technology based on HA and ECM compound ready to use



BIOMIMESYS® hydrogel scaffold

- ✓ RGDS or Galactosamine grafted **Hyaluronic Acid**
- ✓ **Physiological** amount of ECM compound
- ✓ **Undenatured** collagen
- ✓ **Elastic modulus** regarding organs

in vivo like chemical composition and physicochemical properties (porosity , Elastic modulus...)

Scalable hydrogel scaffold

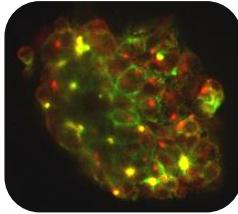
Plate specifications:

Specifications	Compositions	Elastic modulus
BIOMIMESYS® <i>Liver</i>	HA + RGDS, Galactosamine, Collagen I, Collagen IV	0.6 kPa
BIOMIMESYS® <i>Adipose tissue</i>	HA + RGDS, Collagen I, Collagen VI	0.45 kPa
BIOMIMESYS® <i>Oncology</i>	HA + Collagen I	0.4 kPa

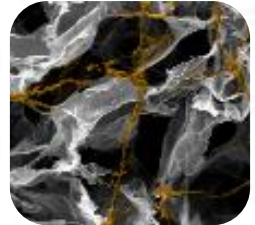
1 - CHOOSE YOUR CELLS & MICROENVIRONNEMENT

Cell lines
Primary cells
iPSCs

e.g. HepG2



ECM: Define
- Composition
- Elastic modulus
- Porosity

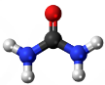


2 - CHOOSE YOUR INDUCERS & INCUBATION TIME

Fixed Cells

Live Cells

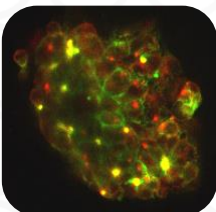
Small Molecules	Biologicals	Ingredients	Starvations	UV Radiations
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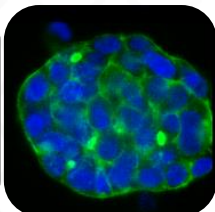
3 - CHOOSE YOUR READ-OUTS

Proliferation, apoptosis, cell motility, Cell structure, Stress, Protein analysis, mRNA analysis ...

BIOMIMESYS® Liver

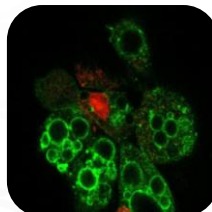


MRP2; Actin;
colocalization
HepG2



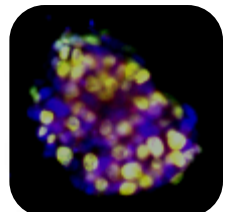
Hoechst; Phalloidin
HepG2

BIOMIMESYS® Adipose Tissue



Perilipin (TG), nucleus
Human Preadipocytes (HWP)

BIOMIMESYS® Oncology

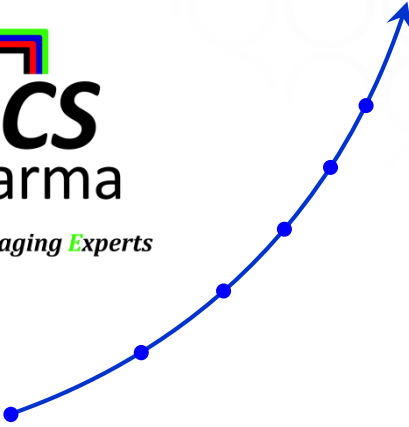


Hoechst ; EDU;
mitotracker; colocalization
HCT116

Robotic Platform & innovative 3D models for HCA and HCS services



Cellular Imaging Experts



OUR VALUES

👉 Expertise

👉 Flexibility

👉 Efficiency

👉 Transparency



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Lille



Rennes