



SoftXS

DISCOVER THE BLADELESS BIOREACTOR DESIGNED FOR DELICATE CELLS



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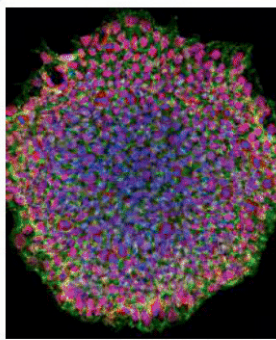
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BUILD THE TECHNOLOGICAL BACKBONE CELL BIOMANUFACTURING

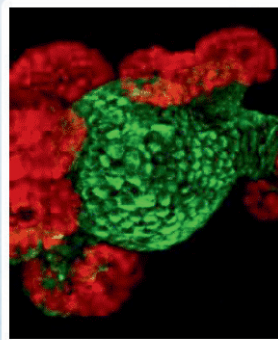
- Derived from over 10 years of French academic research and a multidisciplinary team, Cellura brings its functional first products available for early adopters to make the large-scale culture of shear sensitive cells accessible, reliable, and cost-effective.
- Mastering cell production is key to enabling advanced therapies and ensuring biological sovereignty for tomorrow.

A TECHNOLOGY DESIGNED FOR SHEAR-SENSITIVE CELLS

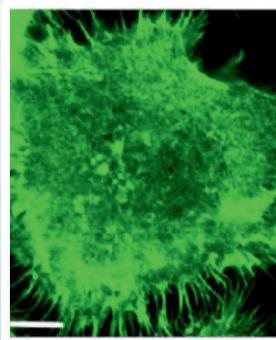
Our unique mixing system is specifically designed to allow 3D culture of very fragile cells from lab to industrial-scale.



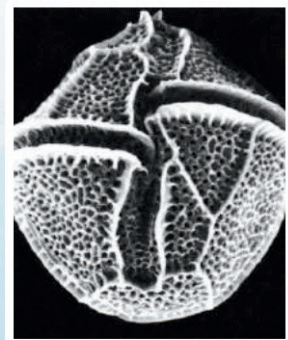
STEM CELLS



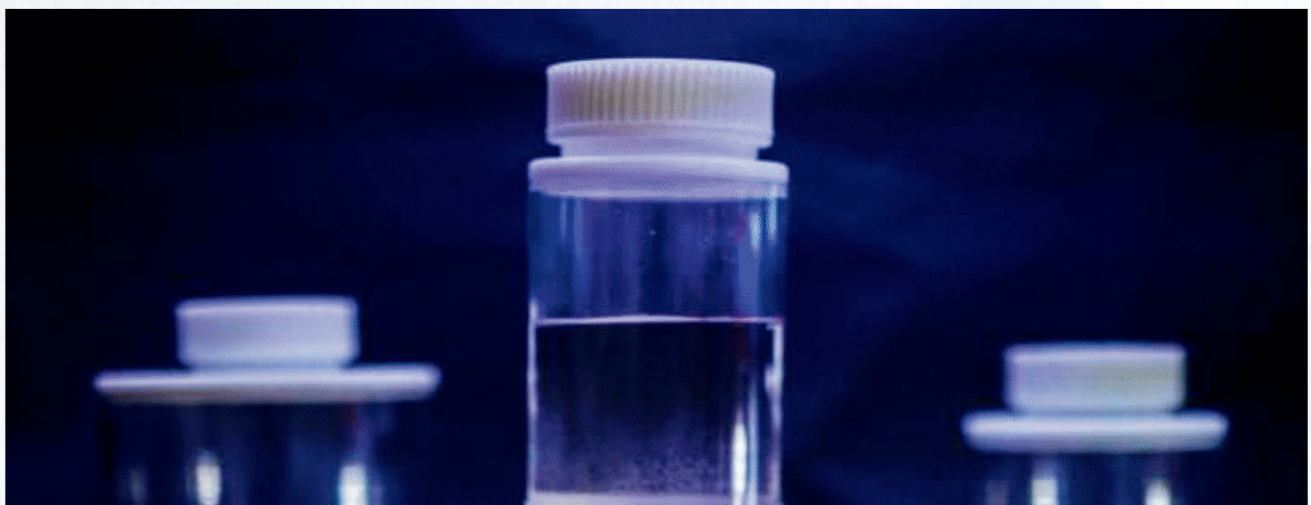
ORGANOIDS



IMMUNE CELLS



MICROALGAE



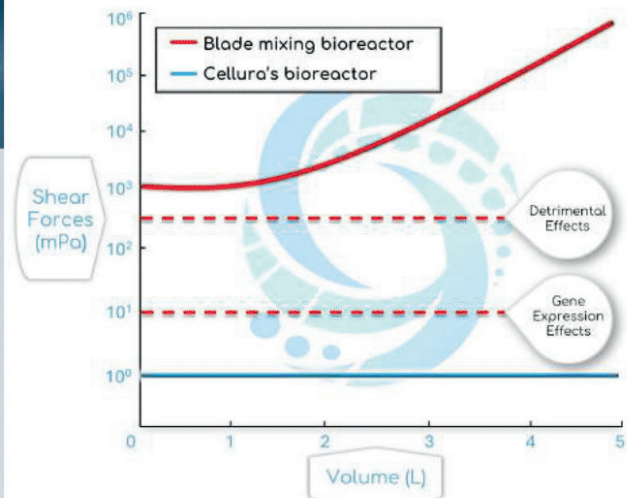
WHAT SETS CELLURA APART

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A GEO-INSPIRED TECHNOLOGY

Drawing inspiration from the Earth's natural motion, we offer a mixing system that combines strength with softness over the scale up



WHAT MAKES OUR TECHNOLOGY UNIQUE

Bladeless Mixing

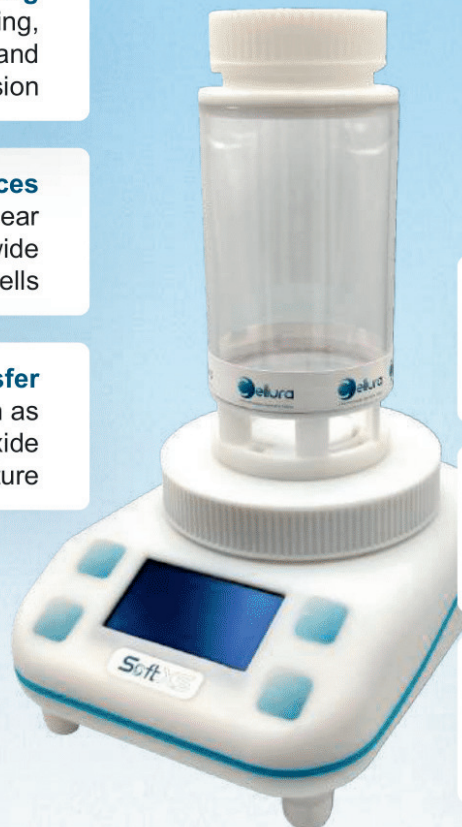
Controlled chaotic mixing, ensuring gentle and homogeneous cell suspension

Controlled Shear Forces

Get the total grip on the shear forces, fitting the needs of a wide range of cells

Optimal Mass Transfer

The flux of gas such as oxygen or carbon dioxide optimized for cell culture



Homogeneity

Chaotic mixing, homogeneous particle suspension and variability reduction

Scalability

Results in small-scale vessels representative of cell culture at larger scale

Plug & Play Integration

Chaotic mixing, homogeneous particle suspension and variability reduction

SCALABLE BIOREACTOR SOLUTION FOR SHEAR-SENSITIVE CELL CULTURE

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OVERCOME CRITICAL LIMITATIONS



PROTECT YOUR CELLS:

Gentle mixing prevents shear stress and preserves fragile cells



SCALE WITH CONFIDENCE:

Identical procedures from lab-scale to production



DEPLOY FASTER:

Compact and automation-ready, ideal for R&D and GMP processes

TECHNOLOGY ABOVE ALL STANDARDS

SoftXS

DISRUPTIVE 3D BIOREACTOR FREE OF ANY MIXING DEVICE FOR YOUR FRAGILE CELLS

IPSCs:

A 100-fold amplification in 7 days of cell aggregates with >99% preserved stemness



Organoids:

Functional thyroid organoids obtained from iPSC in 15 days



Natural Killer:

A 10-fold amplification in 7 days in the form of single-cells



Microalgae:

One billion cells in 1L of dinoflagellates produced in 6 days



Microcarriers:

Cellura's technology is compatible to microcarriers



DESIGNED TO SIMPLIFY & SCALE **YOUR PROCESS**



Adapt your 2D amplification procedures in 3D



Use directly in an incubator for temperature and gas control



Grow cells either in single-cell, cell aggregates or on microcarriers



Simplify your process: eliminate the need for shear protectant

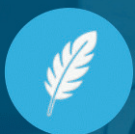


Scale-up your experiment with the same procedures



Tailored to your process and constraints

FROM LAB TO SCALE — **WITHOUT COMPROMISE**



**LOW SHEAR
STRESS**



SCALABILITY



EASE-OF-USE



PATENTED

TECHNOLOGY KEY FEATURES

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WHY CHOOSE Cellura ?

Since its inception, Cellura's mission has been to develop cutting-edge solutions for bioproduction



ACADEMIC / HOSPITALS / RESEARCH

(Cell therapy, Regenerative
Medicine, Clinical innovation)



OPERATIONAL ADVANTAGE

- Unlock production bottleneck
- Access to important cell feedstock

PERFORMANCE

- Reproducibility and reliability

SUPPORT

- Support for setup and optimisation of cell-specific process

OPERATIONAL ADVANTAGE

- Unlock industrial-scale production
- Process simplification

PERFORMANCE

- Lower costs and faster culture cycles

SUPPORT

- Guidance for integration into your production workflows
- Co-development of custom modules



BIOTECH / CDMO / PHARMA

(Start-up/scale-up, GMP
processes in cell therapy)

SUPPORT INNOVATORS ACROSS HEALTH & FOOD

Cellura empowers scalable cell production across therapeutic and food applications



FOODTECH / AGRITECH

(Cultivated meat,
Plant-based systems)



OPERATIONAL ADVANTAGE

- Unlock production bottleneck for emerging market

PERFORMANCE

- Accelerated innovation and process development

SUPPORT

- Support for setup of new processes

OPERATIONAL ADVANTAGE

- Maintenance of animal cell line

PERFORMANCE

- Standardization of biological systems without compromising viability

SUPPORT

- Enhance existing procedures with limited changes



CELL BANK / CONSERVATION

(Human & Veterinary)

PROVIDE SOLUTIONS TO ENHANCE INNOVATION

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