MedTech
BARCELONA by Leitat

Experts in **ready-to-use** cell culture and
worldwide cell shipping at room temperature.

MedTech
BARCELONA by Leitat

Who we are

Biotechnology company based in Barcelona owned by Leitat, specializing in the **development and commercialization of innovative solutions** for the pharmaceutical industry and biomedical research.

+200
Product users

+25
Countries

6
Distributors

+20 years in the industry

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What We Do

We combine our expertise in cell culturing with our patented technology to provide **ready-to-use**, **cell-based in vitro solutions**, and enable the **shipment of cell systems** at room temperature.

Experience in cell culturing + **Cell shipping medium at room temperature**

Development and production of ready-to-use cell culture-based products

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Why MedTech Barcelona

Time-Saving

Save time on your in vitro assays by skipping cell culture and plate preparation at production stages.

Cost-Effective

Streamline your workflow and control your project costs with precision. No cell license needed.

Superior Quality

Reproducible assays accepted by regulatory agencies.

FDA APPROVED
EMA EUROPEAN MEDICINE AGENCY
Pmda APPROVED
International Organization for Standardization ISO 9001

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Worldwide Transportation

Delivering worldwide **51 out of 52 weeks per year.**

Production takes 1 to 2 weeks in advance, depending on the product.

Set your assay date, we'll handle production and shipping accordingly.

	MON	TU	WED	TH	FR
Week 1	SHIPMENT		DELIVERY		LIQUEFY
Week 2	PERFORM ASSAY				

Reliable Logistics

- ✓ **Global reach**, shipping from Barcelona directly to your facilities.
- ✓ Strategic alliances with the main international couriers with **no need of handling by the customer**.
- ✓ **UN-accredited packaging** for biological products in compliance with IATA 650 regulations.
- ✓ We deliver within **24-48 hours** to the EU and **48-96 hours** to the rest of the world.

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Our secret?
The Shipping Medium

- ✓ Unique gel-like medium designed to preserve cells at room temperature (15-25ºC).
- ✓ Cell integrity, viability and functionality **for up to 11 days.**
- ✓ Made entirely from **non-toxic**, biocompatible compounds.

Already validated on HEK293, Caco-2, MDCKII, HT-29, IPSC derived cardiomiocytes, neurons & hepatocytes

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The Shipping Medium
How it works

1.
Receive
READY-TO-USE PLATED CELLS

2.
Liquefy
LIQUEFY SOLID SHIPPING MEDIUM AT 37ºC

3. Change medium
REMOVE IT AND ADD STANDARD CELL CULTURE MEDIUM

4. Assay
PERFORM YOUR ASSAY

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Our Solutions

ReadyCell

READYY-TO-USE IN VITRO CELL PLATES
FOR ADME-TOX AND DRUG DISCOVERY

CustomCellPlates

CUSTOM PRE-PLATED CELL CULTURES FOR
PRECLINICAL AND CLINICAL RESEARCH

ShippingMedia

COLLABORATIONS

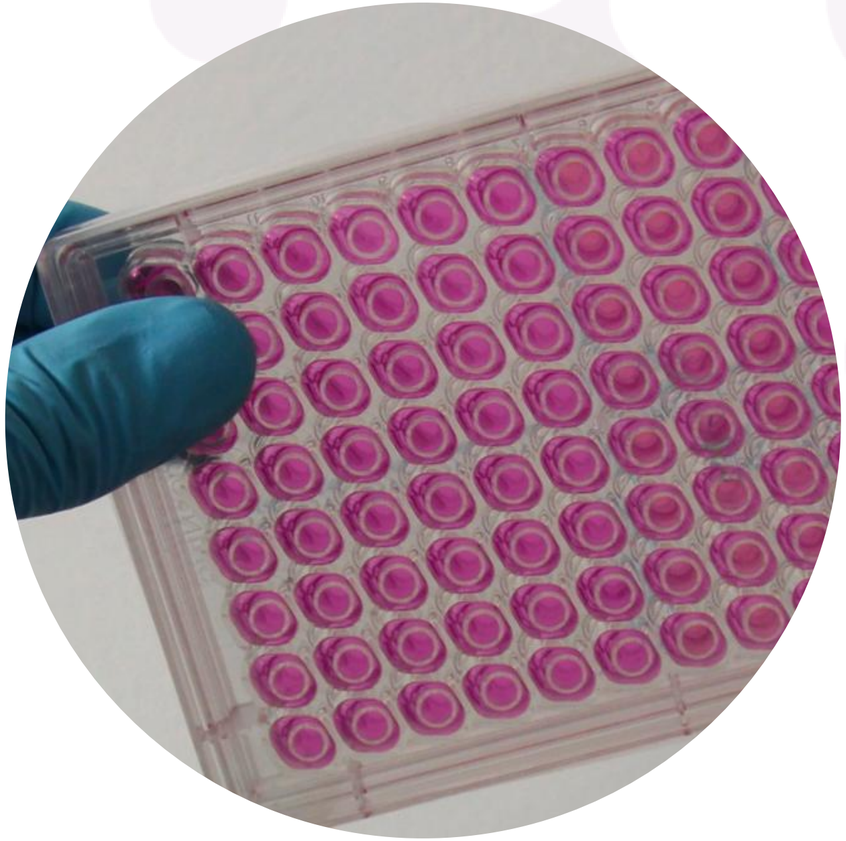
ROOM-TEMPERATURE TRANSPORTATION
MEDIA FOR CELLULAR MODELS

ReadyCell

Our Solutions

Ready-to-use in vitro cell-based plates for drug discovery, ADME-Tox and transporter research.

- Remove the need for in-house cell culture
- High quality and reproducibility
- Stored and transported at room temperature



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ReadyCell

Our Solutions

Ready-to-Use Kits

CacoReady

Caco-2 cells for permeability assays.

- Permeability
- Cytotoxicity

CacoGoblet

Caco-2 and **HT-29 co-culture** offering an absorptive and mucus-secreting phenotype.

- Permeability
- Anti-Inflammatory

PreadyPort

MDCKII cells expressing efflux transporters: BCRP and MDR1.

- Permeability
- Efflux Transporters
- BBB Transporters

PreadyTake

HEK293 cell-based plates for drug-transporter interactions: OCT2, OATP1B3, MATE1.

- Uptake Transporters

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Cut time, costs, and resources

Our Solutions

Traditional Process

1. Schedule, order & receive the vial of cells
2. Thaw and expand the cells
3. Prepare required reagents for the entire procedure
4. Perform QC at multiple days of cell differentiation
5. Maintain the culture contaminant-free
6. Cell seeding (need for trained personnel and sample expertise)
7. Batch validation
8. Pre-assay QC
9. Perform the assay
10. Data analysis and interpretation

With ReadyCell

- Schedule, order & receive the vial of cells
- Thaw and expand the cells
- Prepare required reagents for the entire procedure
- Perform QC at multiple days of cell differentiation
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1. **Pre-assay QC**
2. **Perform the assay**
3. **Data analysis and interpretation**

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Our Solutions

ReadyCell

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ROOM-TEMPERATURE TRANSPORTATION MEDIA FOR CELLULAR MODELS

CustomCellPlates

Our Solutions

We combine advanced cell culturing expertise with our proprietary cell shipping technology to enable seamless **externalization of cell culturing processes.**

- Delivered in large volumes
- Short timelines
- Adaptable to your project needs

Already validated on HEK293, Caco-2, MDCKII, and HT-29

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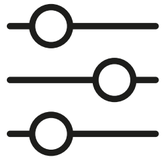
CustomCellPlates

Our Solutions



Customizable & Scalable

We work with your selected cell line to prepare ready-to-use plates tailored to your experimental needs and adaptable to different project scales.

Increased Reproducibility

Enhance the reproducibility of your assay across testing sites, using the same ready-to-use plates to minimize variability and increase consistency in results.

Fast Delivery

Our custom cell plates are validated, produced and shipped worldwide with our room temperature shipping medium to ensure immediate use at arrival time.

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Our Solutions

Project Workflow

1. Pre-evaluation

Feasibility evaluation based on bibliographic data and compatibility with MedTech's media formulations.

2. Feasibility Test by MedTech Barcelona

Cell vial provided by the client is subjected to viability assessment using MedTech's shipping medium.

3. Shipment validation at partner's site

Initial shipment of cell plates delivered to the client. A quality control plate is retained at MedTech for post-shipment viability assessment.

4. Product delivery

Delivery of ready-to-use cell plates. In parallel, we retain quality control plates to ensure consistent performance and ongoing monitoring.

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ROOM-TEMPERATURE TRANSPORTATION MEDIA FOR CELLULAR MODELS

Our Solutions

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Live cell transport at room temperature (20-25ºC), customized for your cell type in partnered research and commercial projects.

- Designed for your specific cell type
- Flexibility in planning and execution
- No requirement of cryoprotection

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Room-Temperature Shipping

Our proprietary gel-based medium enables the transportation of cells, including differentiated and freeze-sensitive systems, at 15–25 °C worldwide, eliminating the need for dry ice and reducing logistics costs.

Up to 11-Day Viability

Cells maintain viability and functional integrity for up to 11 days, giving customers flexibility in planning and execution.

Adaptable formulations

Each cellular model has unique culture media needs. Our R&D team works with you to identify the most suitable shipping medium from our portfolio, or tailors one specifically for your system.

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Roadmap

Introductory Talk

First contact with MedTech Barcelona team to explore the feasibility of the project

NDA Signing

Initial agreement to allow a fluid collaboration between both parties

Detailed Project Discussion

Deeper discussion to understand the shipping media and cell requirement

MTA Agreement

Signing of a MTA to ensure clear terms on the use, ownership, and confidentiality of shared materials

Proof of Concept

Partner receives shipping media for validation in their cellular systems.

Production

Shipping media production and shipment to partner.

Our Motivation

"Ease of ordering, **consistent results**, and a high-quality product."

"We **save much time** we would otherwise use maintaining the cell cultures."

"Shipment **takes a matter of days**, and we can use the barriers over a 5-day window once they arrive in the lab."

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