Freezing Medium

(Serum-free & animal origin-free)

MICROTECH

LA SCELTA LOGICA

Freezing Medium (Serum-free & animal origin-free)

PROMOTION

Unlock the Power of Freezing Medium Serum-free & animal origin-free

Items	Size	List Price	Promo
PB180438	100mL	$ 118.00	82,60 €
PB180438	50mL	$ 65.00	45,50 €
PB180438	10mL×5	$ 68.00	47,60 €

Exclusive Limited-Time Offer Just for You!

In vitro cell culture requires the long-term preservation of biological cell activity. To achieve this, cells must be cryopreserved and revived when needed. Currently, the most commonly used method for cell cryopreservation is storage in liquid nitrogen. This process involves the addition of appropriate cryoprotective agents and the gradual cooling of cells to a specified temperature range, thereby protecting their viability.
The Serum-Free Cell Freezing Medium, developed by Pricella, is a specialized cryopreservation solution designed for a wide range of cell types. It has been optimized through extensive experimentation to support both cryopreservation and resuscitation in long-term cell research.

The formulation includes a cell sedimentation stabilizer, which slows the rate of cell settling during cryopreservation. This helps prevent cellular compression, which can compromise viability. In addition, the medium contains a blend of cryoprotectants—including membrane stabilizers, permeable intracellular protectants, and non-permeable extracellular agents.

PROMOTION

These components interact with water molecules in the medium to reduce ice crystal formation by increasing viscosity and minimizing water crystallization. This significantly reduces ice-induced cell damage and enhances post-thaw survival rates.

The medium is serum-free and does not contain any animal-derived proteins, minimizing the risk of contamination from bacteria, viruses, or mycoplasma and ensuring the safety of preserved cells. It is suitable for a broad spectrum of cells, including conventional cell lines, primary cells, serum-free culture cells, and protein-expressing cells.

Compared to traditional cryopreservation media, this product eliminates the need for complex, time-consuming gradient freezing protocols or expensive programmable cooling devices. Cells can be directly resuspended in the medium, stored at −80°C overnight, and then transferred to liquid nitrogen the following day—streamlining the process and saving significant time and resources.

Product comparison between Stemcell and Pricella

Brand	Product name	SKU	Component	Pack size	Price	Storage
Stemcell	CryoStor®CS2	07932	2% DMSO, serum-free, animal-derived proteins	100 mL×1	$455	2-8°C, 24 months
	CryoStor®CS5	07949	5% DMSO, serum-free, animal-derived protein-free	10 mL×5	$333	
		07933		100 mL×1 Bottle	$465	
		07953		100 mL ×1 Bag	$595	
	CryoStor®CS10	07959	10% DMSO, serum-free, animal-derived protein-free	10 mL×5	$375	
		07952		10 mL×16	$1.200	
		07931		16 mL×5	$466	
		07930		100 mL×1 Bottle	$480	
		07955		100 mL ×1 Bag	$600	
		07940		1000 mL ×1 Bag	$6.000	
Pricella	Freezing Medium (Serum-free & animal origin-free)	PB180438	10% DMSO, with added sedimentation stabilizer and cryoprotectant; serum-free and animal-derived protein-free	10 mL×5	$68	2-8°C, 12 months
				50 mL×1	$65	
				100 mL×1	$118	

Advantages of Pricella cell cryopreservation medium compared to Stemcell

1. **Affordable price:** Our cell cryopreservation solution has an advantage over Stemcell in price.
2. **Simplified cryopreservation process:** Our cell cryopreservation solution does not require cumbersome cryopreservation procedures or expensive program cooling equipment. It can be directly placed in a -80°C refrigerator, which greatly saves time and energy. In contrast, the program freezing operation of Stemcell is more cumbersome.
3. **A wide range of cell preservation:** Our cell cryopreservation solution is not only suitable for conventional cell lines, but also for primary cells, serum-free cultured cells and protein expression cells.

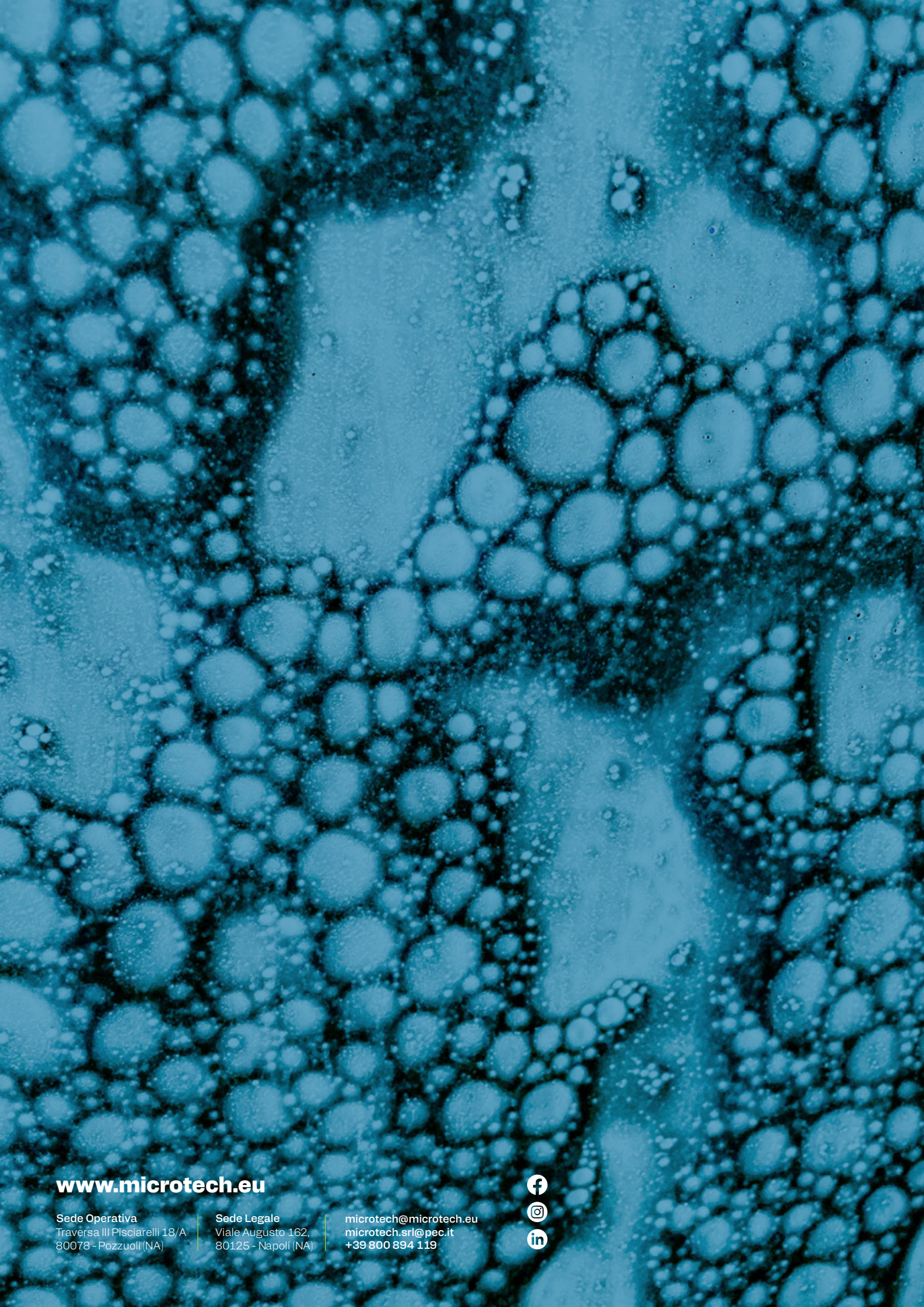
Comparison of freezing media efficiency in melanoma cell preservation

Freezing Media	Patient-derived cell cultures $1x10^6$	SW1 mouse cell line $9x10^6$	Patient-derived xenograft cells $3x10^6$
90% FBS + 10% DMSO	$0,7x10^6$	$7,08x10^6$	$1,8x10^6$
PRICELLA no serum	$0,65x10^6$	$6,96x10^6$	$1,5x10^6$

We compared Pricella freezing medium against our standard freezing medium (90% Fetal Calf Serum, 10% Dimethyl Sulfoxide) across three distinct melanoma cell types: patient-derived cell cultures, xenograft cells, and a mouse cell line. Upon thawing, the viability and recovery rates demonstrated comparable efficacy between the two freezing media, indicating overlapping results across all tested cells.

Dr Luisa Lanfrancone
Unit Director- Modeling and Targeting Metastatic Cancer

IEO Research
Istituto Europeo di Oncologia



www.microtech.eu

Sede Operativa
Traversa III Pisciarelli 18/A
80078 - Pozzuoli (NA)

Sede Legale
Viale Augusto 162,
80125 - Napoli (NA)

microtech@microtech.eu
microtech.srl@pec.it
+39 800 894 119