Industry's Best Value!!

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3D Biotek

Add Extra Dimension to Your Innovation

Products & Price

Spring 2009 Promotions

We are **The World Leader in 3D Cell Culture**

We **Make The Finest 3D Cell Culture *Affordable* !!**

We support **the Broadest Applications**

Applications:

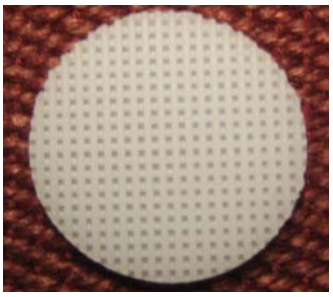
- In-vitro Tumor Models
- Drug Discovery
- Stem Cell Research
- Tissue Engineering

.....

- All Other Cell Biology Applications

Upgrade To 3D Cell Culture & Lower Your Cost!!

3D Insert™-PCL



Polycaprolactone (PCL) is a biodegradable polyester material that has been used in many FDA approved implants, drug delivery devices, suture, adhesion barrier and now is available in 3D Biotek's revolutionary 3D Insert™! PCL has also been widely used in fabrication of porous 3D scaffolds for tissue engineering research.

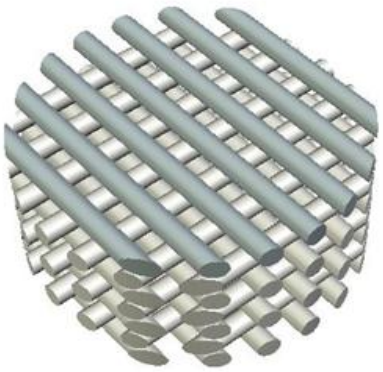
3D Insert™-PS

This is the ideal product for your low cost, quality 3D cell culture applications.

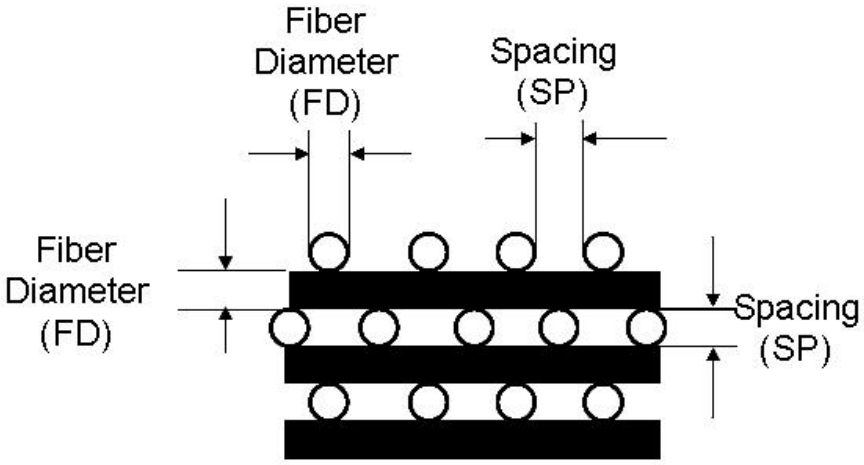
3D Insert™-PS is made from polystyrene, the same material as that of tissue culture plates. The combination of transparency of the material and the porous structure design of 3D Insert™-PS allows researchers to monitor the cell growth under an inverted light microscope without the need of using sophisticated equipment.

The same tissue culture polystyrene (TCP), now available in 3D !!

Structural Parameters of 3D Insert™



3D Insert™ Structure



3D Insert™ Structure Parameters

Just some of the benefits of **3D Insert™**

1. 100% open porosity

The pores of the products are 100% open and interconnected, making it easy for cells to be seeded throughout the porous scaffolds and the nutrient and cell metabolism waste to be exchanged.

2. Well defined pore size and porous structure

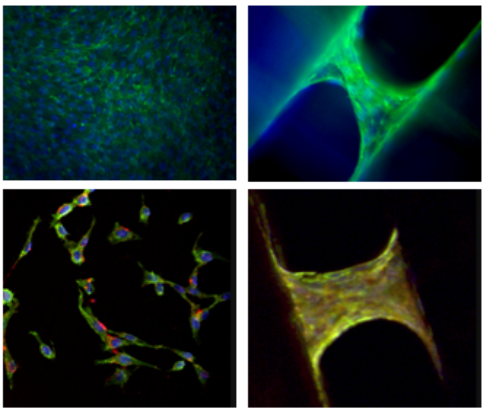
3D Biotek's precision micro-fabrication technology produces well-defined porous structure and ensures the reproducibility of the porous structure from batch to batch.

3. Organic solvent free

Cytotoxic organic solvents, such as chloroform and methylene chloride, are often used in fabricating PCL scaffold. 3D Biotek's precision micro-fabrication technology is a solvent free manufacturing process. Therefore, the PCL 3D Insert™ is free of organic solvent.

Easy Imaging

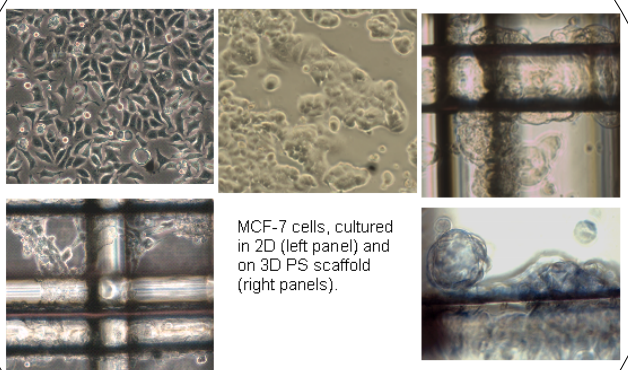
Cells cultured on 3D Insert™-PS have enhanced cellular organization



Fluorescent (top panels) and Confocal (bottom panels) images of NIH-3T3 cells cultured in 2D (left panels) and on 3D PS scaffolds (right panels). F-actin filaments (green), Fibronectin (red), DAPI (blue).

Tumor Cells

Cells can form 3D structures within 3D Insert™-PS, while 2D cells grow in a monolayer.

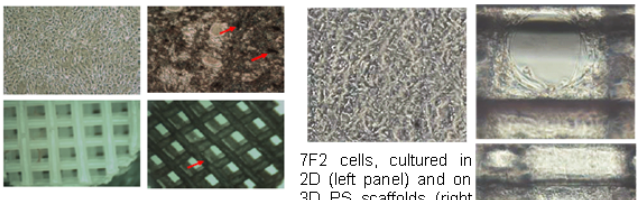


MCF-7 cells, cultured in 2D (left panel) and on 3D PS scaffold (right panels).

ECC1 cells, cultured in 2D (top panel) & on 3D PS scaffold (bottom panel).

Tissue Engineering and Stem Cells

3D Insert™-PCL and 3D Insert™-PS support stem cell proliferation and differentiation



Von Kossa staining (days 7 and 28) of human mesenchymal stem cells cultured in 2D (top panels) and on 3D PCL scaffolds (bottom panels). Red arrows show positive staining for mineralized nodule formation.

7F2 cells, cultured in 2D (left panel) and on 3D PS scaffolds (right panels). Note that 7F2 cells cultured in 3D can proliferate across 200 µm pores.

3D Biotek provides the BEST 3D cell culture products in the industry								
	Brand Name	Ready to use	100% interconnected pores	High surface to volume ratio	Variable configurations (customizable)	Easy cell recovery	Plate reader compatible	Transparency (direct observation with light microscope)
3D Biotek	3D Insert-PS	★	★	★	★	★	★	★
	3D Insert-PCL	★	★	★	★	★	☆	☆
All Other Companies	Gel Matrix	☆	☆	☆	☆	☆	☆	★
	PLA foam	☆/★	☆	★	☆	☆	☆	☆
	CaP foam	★	☆	★	☆	☆	☆	☆
	Alginate Foam	★	☆	★	☆	☆	☆	☆

3D Biotek's scaffolds have the broadest applications

Commonly used assays that are compatible with 3D Biotek's cell culture scaffolds	
Cell lifting and tissue digestion (Trypsin, Trypsin-EDTA, Collagenase)	👍
RNA isolation (Tri-Reagent)	👍
DNA assay	👍
Protein assays	👍
Proliferation assays (MTT, Alamar blue)	👍
Cell transfections (transient, stable, viral)	👍
Characterization stains (Von Kossa, Oil-Red O)	👍
IF and IHC	👍
Toxicity assays (LDH)	👍

You can actually lower your overall cell culture cost by upgrading to 3D.

— products only from 3D Biotek

		2D Cell Culture	3D Cell Culture	Benefits	% of Saving
Total Cells / Well		12,000	90,000	**3D Insert ™** scaffolds provide 3D culture space. On average, they can grow **650% MORE cells** than regular 12-well , 2D cell culture plates.	
Plate cost per week		$16.77	$64.00 *	($67.91)	
Weekly Cell Culture Expense (media, consumables, & labor cost)	**Fibroblast Culture**	$62.80	$12.70	**Save $50.10**	**Save 80%**
	Stem Cell Culture	$406.00	$65.50	**Save $340.50**	**save 84%**
Total Weekly Cell Culture Cost	**Fibroblast Culture**	$79.57	$76.70	**Save $2.87**	**Save 4%**
	Stem Cell Culture	$ 422.77	$ 129.50	**Save $ 293.27**	**Save 69%**

* Plate cost reflects two *3D Insert™* PS152012-6 sterile plates at summer promotional rate.

Huge Savings & Better Cell Culture !!!

Grow More Cells On 3D Insert™, Lower Overall Cell Culture Cost!!

3D Insert™-PS Series

12 & 96 well sterile 3D cell culture plates with non-degradable polymer (Polystyrene) . This is the ideal product for your daily low-cost fine-quality 3D cell culture applications.

No one beats our price!

PS152012-6

- 12-well sterile plate with **6** 3D scaffolds
- Fiber Diameter: ~150 microns
- Spacing: ~200 microns

List price: $64 / plate
Seasonal Promotion: **Buy 3 Get 3 Free**
Your Final Cost: only **$32**/ plate

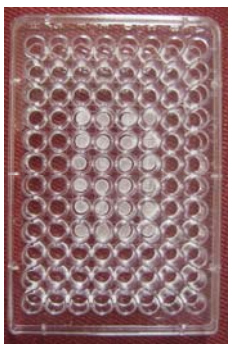
=50% off

PS304012-6

- 12-well sterile plate with **6** 3D scaffolds
- Fiber Diameter: ~300 microns
- Spacing: ~400 microns

List price: $64 / plate
Seasonal Promotion: **Buy 3 Get 3 Free**
Your Final Cost: only **$32/ plate**

=50% off

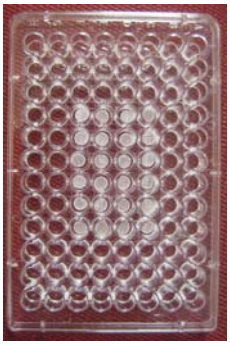


PS152096-24

- 96-well sterile plate with **24** 3D scaffolds
- Fiber Diameter: ~150 microns
- Spacing: ~200 microns

List price: $72 / plate
Seasonal Promotion: **Buy 2 Get 2 Free**
Your Final Cost: only **$36 / plate**

=50% off



PS304096-24

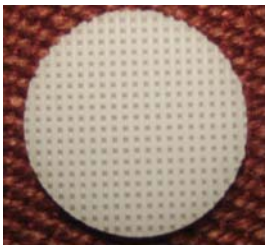
- 96-well sterile plate with **24** 3D scaffolds
- Fiber Diameter: ~300 microns
- Spacing: ~400 microns

List price: $72 / plate
Seasonal Promotion: **Buy 2 Get 2 Free**
Your Final Cost: only **$36**/ plate

=50% off

3D Insert™-PCL Series

12 & 96 well sterile 3D cell culture plates with **Biodegradable** polymer (Polycaprolactone). It is ideal product for stem cell tissue engineering studies. Comparing with competitors' inferior products and ~$300 price, **you save 55% on better products.**



PCL303012-6

- 12-well sterile plate with **6** 3D scaffolds
- Scaffold diameter: ~21 mm
- Height: 1.5mm
- Fiber Diameter: ~300 microns

32% off

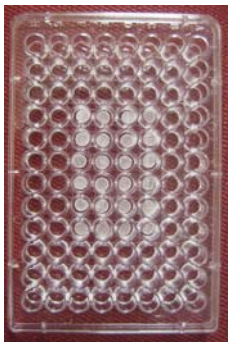
List price: $199/ plate
Seasonal Promotion: 32% off (must buy 2 or more)
Your Final Cost: only **$135**/ plate

PCL305012-6

- 12-well sterile plate with **6** 3D scaffolds
- Scaffold diameter: ~21 mm
- Fiber Diameter: ~300 microns
- Spacing: ~500 microns

32% off

List price: $199/ plate
Seasonal Promotion: 32% off (must buy 2 or more)
Your Final Cost: only **$135**/ plate

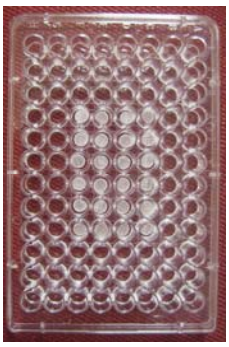


PCL303096-24

- 12-well sterile plate with **24** 3D scaffolds
- Fiber Diameter: ~300 microns

32% off

List price: $199/ plate
Seasonal Promotion: 32% off (must buy 2 or more)
Your Final Cost: only **$135**/ plate



PS305096-24

- 12-well sterile plate with **24** 3D scaffolds
- Fiber Diameter: ~300 microns
- Spacing: ~500 microns

32% off

List price: $199/ plate
Seasonal Promotion: 32% off (must buy 2 or more)
Your Cost: only **$135**/ plate

Best Customer Service

Only 3D Biotek offers a full range of customer service and covers the broadest applications in the 3D Cell Culture Industry.

Along with your purchase of the finest 3D cell culture products, we offer the following services to assist your research.

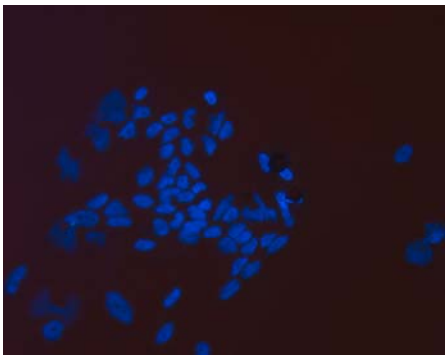
- **Customized Designs and Manufacturing of Specialty 3D Scaffolds**
- **Support Broad 3D Cell Culture With Various Cell Lines**
- **Drug Screening Studies Using Normal Primary Cells**

  Hepatocytes
  Myocytes
  Osteoclasts
  Osteoblasts
  Periosteal Cells

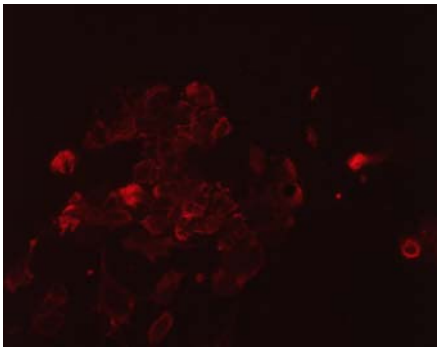
- **Drug Screening Studies Using Primary Cancer Cells , Such As**

  Lung Cancer
  Liver Cancer
  Colon Cancer
  Breast Cancer
  Gliomatosis Cerebri (Infiltrative Diffuse Astrocytosis)

- **Customer Training for 3D Cell Culture**
- **and much more .....**



Human Primary Endometrium



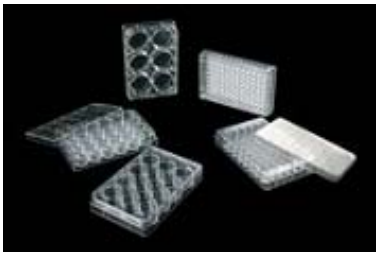
Human Primary Endometrium Glandular Epithelial Cells

Promotional Code: 0904PR01/2 Ordering Hotline: 1-732-729-6270

3D Biotek

The World Leader in 3D Cell Culture

We also provide cell culture consumables, at *unbeatable prices*, that are compatible with our 3D Insert ™ products.



For more products and purchasing, please visit our website

www.3DBiotek.com

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