

30% Special Discount for ASCB2008 on 3D Insert™-PS and 3D Insert™-PCL

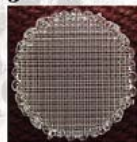


Upgrade Your 2D Cell Culture to 3D

Features and Benefits of 3D Insert™

- Pre-sterilized and Ready to Use
- Mechanically Strong and Easy to Handle
- 100% Synthetic Polymer with Consistent Quality
- 100% Open Porosity
- Improved Cell Culture Efficiency
- Easy Separation of Cytokines and Growth Factors Secreted by Cultured Cells

3D Insert™-PS



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

3D Insert™-PCL



Polycaprolactone (PCL) is a biodegradable polymer used in many FDA approved implants, drug delivery devices, sutures, and has also been widely used in fabrication of porous 3D scaffolds for tissue engineering research.

For more information, please contact:
www.3dbiotek.com • tel: (732) 729-6270
 Add Extra Dimension To Your Innovation

* Use Promo Code "ASCB200830" on our website www.3dbiotekstore.com - Offer until Jan 31, 2009

50% Special Discount for all cell culture consumables

- Use Promo Code "ASCB200850" on our website www.3dbiotekstore.com
- Offer until Jan 31, 2009



The Benefits of 3D Cell Culture

	2D	3D
Surface Area	Limited surface area for cell expansion	Increased surface area and vertical space for cell expansion
Tissue Culture Properties	No ability to control tissue culture plate properties	Scaffold thickness, pore size and fiber diameter are easily controlled
Environment	Not physiological (unnatural environmental stresses)	Physiologically more realistic (environment is similar to <i>in vivo</i>)
Cell Morphology	Loss of polarity and altered cell shape compared to <i>in vivo</i>	Preserves polarity and <i>in vivo</i> cell shape
Cell Viability and Growth	Cell viability decreases over time and cell growth is dictated by surface area	Cells are viable over extended periods of time due to larger surface area
Gene Expression	Different patterns of gene expression	
Stem Cell Differentiation Potential	Variable differentiation	Enhanced differentiation
Drug Discovery	Cells are more susceptible to cytotoxic agents and their responses are significantly different from <i>in vivo</i> studies	Cells are more robust and less susceptible to cytotoxic agents, and respond similarly to <i>in vivo</i> studies; Improves drug discovery process and enables faster time to market