

# ADD A NEW DIMENSION TO YOUR CELL CULTURE RESEARCH



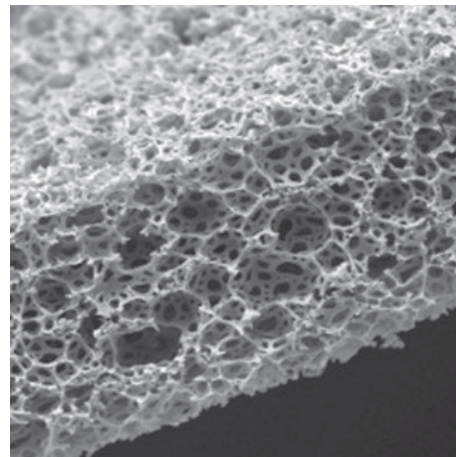
## Take your cell culture beyond the limitations of the monolayer

3D cell cultures using REPROCELL's Alvetex technology deliver more *in vivo*-like results over traditional two-dimensional monolayer cultures.

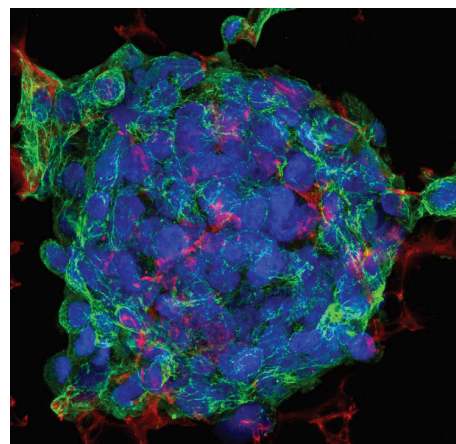
Alvetex allows cell biologists to maintain the integrity of cell structure and organization found within native tissue to better understand cellular biology.

### Alvetex 3D cell culture systems offer the following benefits:

- Build more predictive biological models by maintaining the natural cellular structure and function
- Better understand how cells behave in complex systems with 3D co-culture models
- Enhance primary cell viability and longevity
- Simple imaging and RNA/protein isolation
- Add in perfusion of 3D cells for an extra step closer to *in vivo* conditions

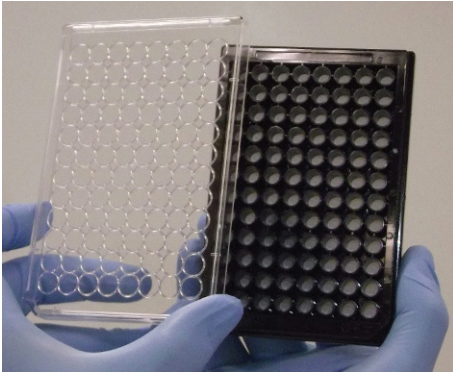


**Alvetex Scaffold as viewed by scanning electron microscope:** a polystyrene membrane with >90 % porosity. Thickness: 200  $\mu\text{m}$ . Voids: ~ 45  $\mu\text{m}$ . Interconnects: ~ 15  $\mu\text{m}$ .



**Triple fluorescent staining of HepG2 cells grown in 3D on Alvetex Scaffold.**

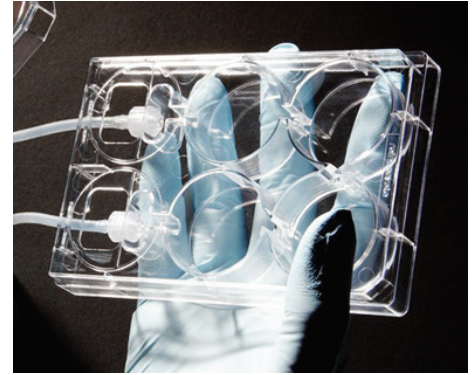
# Multiple formats meet the needs of a wide range of assays



Alvetex Scaffold in 96 well plate format.  
Also available: 12 well and 24 well plate formats.



Alvetex Scaffold 12 well insert format.  
6 well and 24 well formats also available.



Alvetex Perfusion Plate.

## Flexible formats:

Available in a wide range of plate and well insert formats supporting a broad range of cell and tissue type environments for cells to penetrate, grow and proliferate in 3D.

## Alvetex composition facilitates easy transition from 2D to 3D cell culture:

All Alvetex products are made from the same inert polystyrene material as standard 2D cell culture plasticware. Cell biologists can quickly experience the many benefits of 3D cell culture and at the same time easily switch between 2D and 3D experiments.

## Additional features and benefits of Alvetex include:

- Compatible with the standard coating reagents
- Inert and stable — experimental parameters transfer easily from 2D to 3D
- Different Alvetex pore sizes available — cells grow inside (layered tissue-like structure) or on top (easy 3D cell recovery/passaging)
- Uses already established sera, media and growth reagents
- No additional equipment required for routine use

Product Name		Cat. No.
<b>Alvetex Scaffold Multi-well Plate Formats</b>	Packs of 2, 10 or 80	
12 well plate		AVP002
24 well plate		AVP006
96 well plate		AVP009
<b>Alvetex Scaffold Well Insert Formats</b>	Packs of 12, 48 or 96	
6 well insert		AVP004
12 well insert		AVP005
24 well insert		AVP012
<b>Alvetex Strata Well Insert Formats</b>	Packs of 12, 48 or 96	
6 well insert		STP004
12 well insert		STP005
<b>Alvetex Tools</b>		
Well insert holder and deep Petri dish	Packs of 2 or 10	AVP015
Perfusion plates with Luer locks	Packs of 2 or 10	AVP011
<b>Alvetex Kits</b>		
Alvetex Scaffold Plate Starter Kit 1 × 12 well plate / 1 × 24 well plate / 1 × 96 well plate		AVP-KIT-1
Alvetex Scaffold Well Insert Starter Kit 6 × 6 well inserts / 6 × 12 well inserts / 1 × well insert holder and deep Petri dish		AVP-KIT-2
Alvetex Strata Well Insert Starter Kit 6 × 6 well inserts / 6 × 12 well inserts / 1 × well insert holder and deep Petri dish		STP-KIT-2
Perfusion Plate Kit with Alvetex Scaffold 6 well inserts 2 × Perfusion Plates / 12 × Alvetex Scaffold 6 well inserts		AVP-KIT-3
Perfusion Plate Kit with Alvetex Scaffold 12 well inserts 2 × Perfusion Plates / 12 × Alvetex Scaffold 12 well inserts		AVP-KIT-4
Perfusion Plate Kit with Alvetex Scaffold 6 well inserts 5 × Perfusion Plates / 48 × Alvetex Scaffold 6 well inserts		AVP-KIT-5
Perfusion Plate Kit with Alvetex Scaffold 12 well inserts 5 × Perfusion Plates / 48 × Alvetex Scaffold 12 well inserts		AVP-KIT-6

**Note:** All products are individually sterile blister packed.