



HAC Biomed GmbH

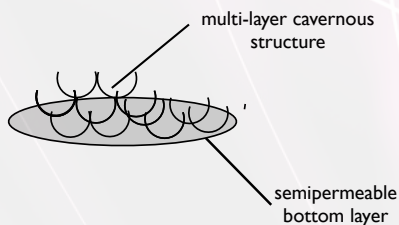
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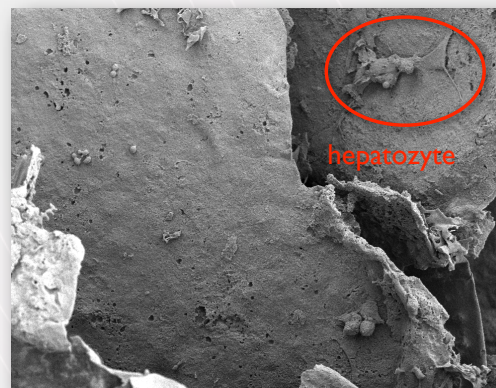
POROCELL MATRIX FOR 3-DIMENSIONAL CELL CULTURES

A highly porous adhesion environment for cell cultures

The proprietary Porocell™ 3-dimensional cell culture matrix is uniquely suited for preparation of 3-dimensional cell cultures both for in vitro and in vivo applications. It is constructed from poly-L-lactide polymer by a proprietary multi-step process which incorporates salt leaching technology. The matrix is greater than 95 % porous and displays a distinct multi-layer structure with a highly permeable top and a moderately permeable bottom as depicted below. This structure supports the efficient seeding and adhesion of cells by preventing cells from simply falling through the structure.



Electron microscopy (below) confirms the healthy adhesion of cells, in this example a hepatocyte cell line (HepG2). Porocell matrices can be coated with a variety of polymers to promote cell adhesion, such as collagen and polylysine.



3-dimensional tissue culture for research, diagnostics
and therapy