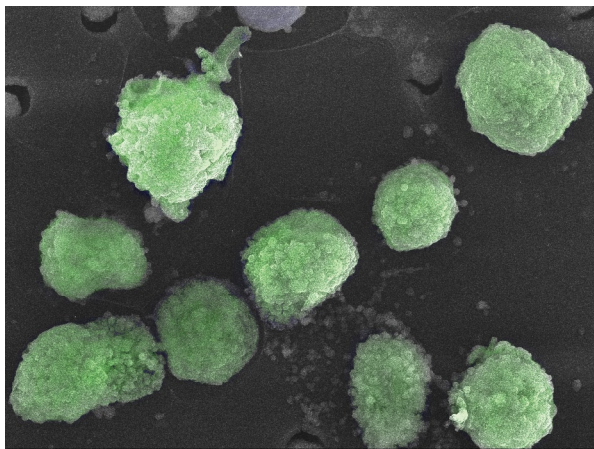


For 3-D Cell Culture

Improve your *in vitro* experiments with Extracel's special formula for 3-D cell culture! Although traditional cell culture studies performed on tissue culture treated plastic often provide useful data, they do not accurately mimic the *in vivo* cellular environment. With Extracel, cells can be suspended and cultured within a hydrogel that recreates a simplified, fully-defined version of the extracellular matrix (ECM). Additionally, the researcher enjoys complete control over the addition of matrix proteins or growth factors to more completely recreate a specific ECM composition.

Extracel consists of a hyaluronan-based, semi-synthetic matrix which is uniform and ready for cell culture in three simple steps - reconstitute, mix, and use! Extracel will gel at room temperature to 37 °C with no low temperature or low pH steps in its preparation. Not only is Extracel easy to use, but the researcher has the ability to alter hydrogel stiffness, composition, and can either encapsulate cells in Extracel or grow them on the hydrogel surface.

Extracel is suitable for *in vivo* experimentation as well as *in vitro* 3-D cell culture



Primary human hepatocytes grown on Extracel™ (SEM).

Advantages

Semi-Synthetic

No 4 °C or Low pH Steps

Hyaluronan-Based Hydrogel

Excellent Lot-to-Lot Consistency

User-Controlled Stiffness and Composition

Cellular Encapsulation for Best *In Vitro* 3-D Results