

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platform			
Transplantable recellularized liver graft using decellularized liver matrix	<p>A recellularized liver graft using a liver matrix could improve the development of functional grafts for transplant patients. An isolated rat liver was perfused with an anionic detergent for 72 hours to create a liver matrix devoid of all cell types. Primary rat hepatocytes were then added back to the liver matrix to create a recellularized graft. In rats, transplants of the graft were viable over the course of an eight-hour experiment. Next steps include developing a protocol to recellularize the liver matrix with both hepatocytes and endothelial cells.</p> <p>SciBX 3(26); doi:10.1038/scibx.2010.809 Published online July 1, 2010</p>	<p>Provisional patent filed covering creation of decellularized liver matrices and methods to obtain more cells from cadaveric livers; available for licensing from the Partners Healthcare research ventures and licensing office</p>	<p>Uygun, B.E. <i>et al. Nat. Med.</i>; published online June 13, 2010; doi:10.1038/nm.2170 Contact: Korkut Uygun, Harvard Medical School, Boston, Mass. e-mail: kuygun@partners.org</p>