



FOR IMMEDIATE RELEASE:

3D Biotek, KIYATEC Team Up to Launch Synergistic 3D Cell Culture Products

Just Add Cells: Preassembled, Single-Use Disposable Scaffold + Plasticware Preloads are an Industry First

Greenville, SC and North Brunswick, NJ – December 2, 2011

3D Biotek and KIYATEC announced today a relationship through which high value, high impact microphysiological systems research takes a major leap forward with the launch of 3DKUBE™ - 3D Insert™ Preloads. By combining 3D scaffolds and perfusion 3D cell culture plasticware in a preassembled, single-use disposable format, the companies have achieved an industry first. The new products will allow 3D cell culture researchers to “just add cells” via perfusion seeding into 3D Biotek’s highly standardized 3D Insert™ scaffolds inside KIYATEC’s 3DKUBE™ 3D Cell Culture Plasticware. Researchers can now conveniently access the huge benefits of actively perfusing their 3D cell-scaffold constructs without having to make or manipulate scaffolds, and without having to break the bank.

The companies have created two new preload products, each featuring a different 3D Biotek scaffold material. One preload incorporates 3D Insert™ porous polystyrene (PS) scaffolds which are transparent and non-degradable. Polystyrene is the most familiar material in cell culture, as it is the plastic most commonly used to make traditional cell culture dishes and plates. The second incorporates 3D Insert™ porous polycaprolactone (PCL) scaffolds which are biodegradable and biocompatible. Degradable materials such as polycaprolactone are used in many FDA approved implantable medical devices and for tissue engineering research, and 3D Insert™-PCL scaffolds have been selected as standard 3D tissue culture scaffolds by the National Institute of Standards and Technology (NIST). Both scaffold types are preloaded into a KIYATEC 3DKUBE™ in an “Independent Chambers” configuration and benefit from its leading combination of universality, features and cost-effectiveness.

KIYATEC CEO Matt Gevaert, PhD and 3D Biotek CEO Qing Liu, PhD will each take the stage to provide more details in Denver, Colorado on Tuesday, December 6th. They will discuss this and other product innovations during their back-to-back Exhibitor Showcase workshops at the 2011 Annual Meeting of the American Society for Cell Biology. Both Exhibitor Showcases are sponsored by Sigma Life Sciences, a leading life science and high technology company with \$2.3 billion in sales of chemicals and laboratory equipment in 2010. Sigma distributes both 3D Biotek and KIYATEC 3D cell culture products.

About KIYATEC

KIYATEC Inc. is a life sciences company commercializing advanced three-dimensional (3D) cell culture plasticware and 3D cell-based assays. 3DKUBE™ 3D Cell Culture Plasticware creates a universal system offering a standardized approach to 3D cell culture. It is the only 3D cell



culture platform that incorporates perfusion flow, accommodates all scaffold materials, allows *in situ* imaging, models biological complexity using multiple co-segregated culture chambers, and features the cost-effective benefits of being a single-use disposable. KIYATEC's 3D cell-based assays leverage the advantages of the 3DKUBE™ to create high value, high impact cell culture that creates better *in vitro* prediction of complex biochemical responses in humans, with a focus on evaluation of drug toxicity and efficacy prior to use in human clinical trials.

Discover. Develop. Diagnose.™ KIYATEC 3D Cell Culture Delivers. For more information about KIYATEC, visit www.kiyatec.com.

About 3D Biotek

Founded in April 2007, 3D Biotek LLC is a biotechnology company located in New Jersey, USA. Using its Precision 3D Micro-Fabrication Technology and Advanced Bio-Manufacturing Technology, 3D Biotek is a leader in the research and development of novel 3-dimensional (3D) cell culture devices. The first product line commercialized by 3D Biotek is the 3D Insert™, a series of novel 3D porous scaffolds for use in drug screening, stem cell research, and tissue engineering. The 3D Insert™ enables researchers to create superior *in vitro* models to obtain more realistic physiological results from *in vitro* studies. As a result, the use of 3D cell culture will decrease the overall therapeutic and pharmaceutical product development cost and shorten the time to market.

3D Biotek is further developing additional novel products and technologies to overcome current challenges in multiple medical fields and offers services to customers who need to fabricate custom biomedical devices. For more information please visit <http://www.3DBiotek.com>.