



**NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
WILL USE 3D BIOTEK'S 3D SCAFFOLD PRODUCT AS THE BASIS FOR A
REFERENCE MATERIAL**

North Brunswick, NJ – The National Institute of Standards and Technology (NIST) will use 3D Biotek, LLC's polycaprolactone (PCL) scaffolds, 3D Insert™ – PCL, as **Reference 3D Tissue Scaffolds**.

The consistent porous structure, composition and properties of these materials will enable NIST, a non-regulatory federal agency within the U.S. Department of Commerce, to characterize their properties and provide their customers with a high-quality reference material. Reference 3D tissue scaffolds will serve as standards during development of scaffolds-based products. Industry, academia and government use NIST 3D tissue scaffolds to facilitate commerce and trade and to advance biomedical research and product development.

"We are pleased that NIST will use 3D Biotek's 3D Insert™ – PCL as its reference 3D tissue scaffolds" said 3D Biotek's CEO, Qing Liu.

3D Biotek, LLC is a leading manufacturer of 3D scaffolds for tissue engineering and 3D cell culture applications. **3D Insert™** is a series of novel 3D scaffolds that can be used in tissue engineering, stem cell research, and drug screening applications. The 3D precision microfabrication technology used by 3D Biotek to fabricate **3D Insert™** - PCL has the capability to produce 3D scaffolds with well-controlled pore sizes and porous structures, which are important parameters of 3D tissue scaffolds.

3D tissue scaffolds are also useful for conducting 3D cell culture and for creating 3D *in vitro* normal and/or diseased tissue models for drug screening. The use of **3D tissue scaffolds** in research will minimize the need for animal testing, reduce the overall biopharmaceutical development cost, and shorten the product delivery time to market.