

# Distribution with PolySciTech



## About

Polysciotech is the division of Akina, Inc. which deals primarily with research products relating to a variety of fields but mostly focused in biodegradable implant technologies and drug release. PST is based in Akina, Inc. in West Lafayette, Indiana, near Purdue University.

## What you get

PST has forged a reputation for being the place to find “highly sought after” and extremely difficult to obtain research products. For this reason a very select group of high-end researchers often come to PST looking for specialty materials that they can’t find elsewhere. PST exhibits at events such as the Controlled Release Society (CRS) and Biomedical Engineering Society (BMES) annual meetings where we promote a wide variety of products to the scientific field. Also PST regularly advertises by both print brochures and utilizing social media such as LinkedIn, Facebook, Google Blogger, and Twitter. Our advertising is focused strictly to the kinds of researchers who purchase unique and novel products.



PST Booth at BMES meeting 2011 (John Garner)



Example of advertising brochure

## What to expect

Do expect questions about your product, in order to promote it to customers we will need to understand it ourselves. Also we will require an initial sample. We also have our own in-house characterization method including tests done by FTIR, GPC, DSC, and NMR- (subcontracted to Purdue).

In the absence of a supplier-

provided COA we will perform testing to generate our own COA for the material. Our certificates of analysis are extremely exact and they display the actual result for the specific batch. These are not a statement of material conformity, but rather a thorough description of the material so researchers know exactly what they are working with.

## What to not expect

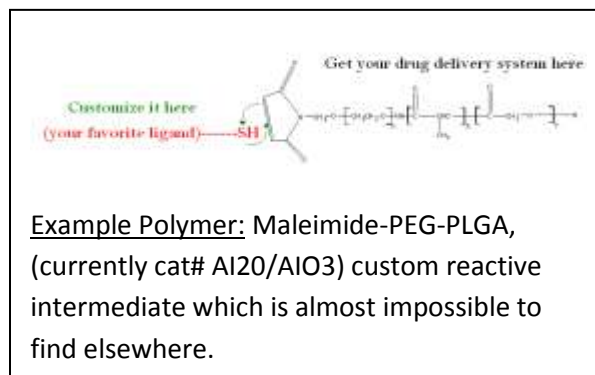
Since our primary field is research (not clinical) you will not be expected to provide Good Manufacturing Practice (GMP) or FDA compliant material for usage in humans. We do not expect you to have large-scale (KG-MT) MFG capabilities either as most of our sales are in gram quantities. For this reason PST

represents an excellent way to “get your foot in the door” for your unique material as what is in the lab today will be in the hospital tomorrow.

### **Current Product Lines**

#### **PolyVivo® Polymers**

PolyVivo polymers encompass a wide array of hard-to-find biodegradable polymers. These polymers can be used for a wide variety of drug delivery platforms, including polymer micelles and thermoreversible hydrogels. Akina markets the PolyVivo products to research organizations and drug manufacturers with special delivery needs for their active pharmaceutical ingredients. This product line is open-ended and as such it is a mixture of in-house products and distributed products.



Example Polymer: Maleimide-PEG-PLGA, (currently cat# AI20/AIO3) custom reactive intermediate which is almost impossible to find elsewhere.

#### **Polyvitro® drug-release media**

Polyvitro is a substance that allows labs, pharmaceutical companies, and research organizations to test poorly soluble drugs in-vitro by mimicking biological solubility for these drugs better than saline alone.

#### **AquaGel® superporous hydrogels**

A hydrogel is a network of polymer chains that absorbs water and, due to its water content, has a degree of flexibility similar to natural tissue. PolysciTech AquaGel superporous hydrogels change their dimensions in less than a minute, regardless of their original size, making them ideal for a wide range of applications including oral controlled-release formulations, wound dressings, and tissue engineering.

#### **Flamma Fluors® fluorescent dyes**

PolysciTech Flamma Fluors are fluorescent dyes and probes that make even minute structures inside cells visible under fluorescent microscopy. Akina markets and sells Flamma Fluors fluorescent dyes to research universities and other laboratories doing biological research. These materials are distributed for Bioacts of DKC.

### **Contact**

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