

## Polymer Science Contract Research Lab providing Routine and Custom Analytical Testing Methodology Development, Product Design, Development and Failure of Medical Devices, Consumer Products and Raw Materials



Dr. Stephen Spiegelberg  
President

Cambridge Polymer Group  
[www.campoly.com](http://www.campoly.com)

Contact:  
Catherine Cerasuolo  
617-629-4400 ext 26  
[Catherine.cerasuolo@campoly.com](mailto:Catherine.cerasuolo@campoly.com)

Interview conducted by:  
Lynn Fosse, Senior Editor  
CEOCFO Magazine

**CEOCFO:** *Mr. Spiegelberg, what is the focus at Cambridge Polymer today?*

**Mr. Spiegelberg:** We are a contract research lab specializing in polymer science. We do a lot of routine analytical testing but our real forte is custom analytical testing methodology development, product design and development and failure analysis of devices, mostly in the medical space but we also work in consumer products and raw materials.

**“When our clients see the broad scope of what we can offer, ranging from routine testing to consultation, to device development, to material selection and formulation, to risk assessment, to manufacturing issues such as clean line validation, to regulatory approval, they realize that we can assist them during every step of the product development cycle.”- Dr. Stephen Spiegelberg**

**CEOCFO:** *Would you break that down about the areas you specialize in and how you came to focus on those arenas?*

**Mr. Spiegelberg:** One of the big areas that we have been working on in the past several years is new product development in the medical device field. We might be approached by a company who has an idea for a new permanent implant and needs assistance in developing that product. They will have a set of specifications and we will assist them in the design, material selection, testing protocols for screening and verification of the design and then ultimately for submission for regulatory approval. Then the follow-on studies for seeing how the product is doing in the field will also include training of sales staff and the end users about the features of the new design. We really got into this through the orthopedic industry. We were doing some consultation in testing for hip and knee replacements because we have particular expertise in the polyethylenes that are used in that field. We got to know the requirements for testing and regulatory approval, and in some cases, for failure analysis of the devices that did not work very well. Our experience with materials, testing, regulatory requirements and general engineering allows us to assist clients in every step of the product development cycle.

**CEOCFO:** *Are there many changes in materials?*

**Mr. Spiegelberg:** We are seeing some exciting times with new materials coming into the medical arena. In the past, they have been more standard industrial materials that were repurposed for medical devices. Those have done very well, but