



FOR IMMEDIATE RELEASE

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### **PROTEIN BIOTECHNOLOGIES, INC. SIMPLIFIES HUMAN CANCER RESEARCH**

Over 1,400 ready-to-use products for studying human cancer, biomarker discovery and molecular fingerprinting are available from Protein Biotechnologies. The SomaPlex™ line of total protein lysates and microarray research products are prepared from normal and tumor tissue. This collection of products derived from human clinical specimens represents one of the largest available on the market today.

Previously, cancer researchers had to rely on preserved tissues or on limited amounts of tissue from a relatively small number of patients. Protein Biotechnologies' products address these issues - cancer researchers now have access to total protein lysate and microarray research products from an extensive collection of patient matched tumor and normal clinical tissue specimens.

Protein Biotechnologies carefully controls tissue handling, storage, and lysate preparation for its line of research products. Because of the high-quality of the extracts, researchers are seeing a significant improvement in experimental throughput, efficiency and reproducibility. In addition, it is now possible to confidently compare data generated by different labs.

SomaPlex™ protein lysate products are prepared from breast, lung, colon, ovarian, uterine, cervical, stomach, kidney, bladder, thyroid, liver, skin, prostate clinical specimens representing different tumor grades and types of malignancies that affect these tissues. Detailed pathology reports are compiled for each set of tissues and, in many cases, H&E stained tissue section images are available upon request.

SomaPlex™ protein lysate products are ideal for biomarker identification and screening, protein expression and interaction analysis, ligand binding studies, Western blotting, antibody characterization, ELISA, immunoprecipitation, mass spec and 1D or 2D polyacrylamide gel electrophoresis.



Tissues for the protein lysates and microarray research products are obtained through a global network of participating medical centers that employ IRB approved protocols and strict ethical guidelines to ensure patient confidentiality and safety. Specimens are flash frozen to  $-120^{\circ}$  C within 5-10 minutes of removal to minimize autolysis, protein degradation and the effects of hypoxia.

#### About Protein Biotechnologies

Protein Biotechnologies manufactures and supplies human clinical specimen derivatives, protein and tissues microarray research products and services to pharmaceutical, biotechnology, government and academic institutions worldwide.

The company provides high throughput, proteomic solutions to understand the cause of human disease and accelerate discoveries for the diagnosis and treatment of cancer, diabetes / obesity, allergies, neurodegenerative, cardiovascular, inflammatory, and autoimmune disease research. Protein Biotechnologies' research and development goals are focused on creating innovative solutions for high throughput biomarker screening and molecular fingerprinting of protein and nucleic acids using one of the largest sources of high quality, well characterized clinical specimens in the world.

For more information visit [www.proteinbiotechnologies.com](http://www.proteinbiotechnologies.com) call Protein Biotechnologies toll-free at 1-800-475-1955, fax 1-760-789-8929, email [info@proteinbiotechnologies.com](mailto:info@proteinbiotechnologies.com) or write Protein Biotechnologies, Inc., 1672 Main Street Ste. E #264, Ramona, CA 92065.

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