



Media Announcement

## Yale University adopts Gelcompany's HPE System

**6 May 2010 – Sydney, Australia:** Gelcompany is excited to announce that Yale University has adopted the new High Performance Electrophoresis (HPE) FlatTop Tower system.

Dr Terence Wu from Yale University's W.M. Keck Foundation Biotechnology Resource Laboratory will be utilizing the HPE system for his electrophoresis workflow. He is a Co-Director of the Foundation within the Yale University School of Medicine Protein and Nucleic Acid Chemistry Facility. The Keck facility provides a full range of protein/nucleic acid synthesis and analysis services to the University, surrounding research companies and institutions as well as globally.

Dr Wu said he was attracted to the HPE system because of its high performance, robust construction and relatively low operating cost.

"Not only is the HPE system easier to operate than the traditional systems but in addition is substantially faster in total operating time, yields higher overall spot resolution and offers improved reproducibility."

The adoption by Yale University of the new HPE system is also a positive confirmation of the appointment of Protea Biosciences as our sales and marketing partner in the key North American market. It was through our joint efforts that Dr Wu became aware of the HPE system and its advantages over existing technologies.

Gelcompany CEO James Walker believes the HPE system's debut into the US market is just the start of the product's success. The number of opinion leading customers moving to the HPE system in such a short period of time is very encouraging.

"We are proud to be working with Dr Wu and the professional team at Yale University, one of the world's leading research institutions. We think this endorsement is a great validation of our approach to improving proteomics research and we look forward to continuing that."

The HPE system was launched late last year and its ground-breaking technology enables higher resolution, reproducibility and ease-of-use in 1D and 2D gel electrophoresis separations.

In 2D electrophoresis the breakthrough HPE technology can detect up to 15 per cent more proteins spots because it uses thinner pre-cast gels and a more efficient cooling system with higher electric field strength. This results in running times of around four hours and produces greater resolution and sharper bands or spots.

The new HPE system uses 1D and 2D pre-cast gels in an easy-to-use FlatTop Tower with four horizontal electrophoresis platforms in one system.

The quality-controlled, pre-casted HPE gels on plastic backing are laid onto the cooling plates – doing away with the time-consuming vertical electrophoresis preparation of glass gel cassettes.

There is no need for technicians to handle tanks containing up to 25 litres of buffer fluid, or for time-consuming cleaning for re-use. And of course there is no need to handle toxic monomer acrylamide for gel casting any more.

The HPE gels have a one year shelf-life and remain stable during storage. The equilibration buffer is also provided – meaning fewer variables than conventional electrophoresis.

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**About Fluorotechnics and gelcompany:** Fluorotechnics, under the trade brand of Gelcompany is a global company that develops, manufactures and supplies products that enable Life Scientists to better measure biological processes. Our products have applications in proteomics, genomics and cell biology and are routinely used in research, development, quality control and diagnostics.

We are focused on the development of innovative products, integrated into novel solutions that provide enhanced performance. Our core skills and technology advantage are in electrophoresis, where we have championed the introduction of High Performance Electrophoresis (HPE), a novel electrophoresis workflow solution.

We are dedicated to providing quality products, support and service and to improve scientific methodologies through the development of technically superior products that are also environmentally friendly, safe and easy to use.

For more information about our business and products visit our website, [www.gelcompany.com](http://www.gelcompany.com).

**About Protea Biosciences:** Protea Biosciences, Inc. ([www.proteabio.com](http://www.proteabio.com)) develops new technology that improves the recovery and analysis of proteins and other biomolecules found in biological samples. The company markets its products and advanced proteomics services to pharmaceutical, biotechnology and academic research laboratories worldwide.