

Media Release

gelcompany launches ground-breaking horizontal High Performance Electrophoresis (HPE) system

25 September 2009 – Sydney, Australia: Innovative life science tools company, gelcompany today announced the launch of its ground-breaking new horizontal High Performance Electrophoresis (HPE) system - which enables higher resolution, reproducibility and ease-of-use in 1D and 2D gel electrophoresis separations than any other system.

In 2D electrophoresis the breakthrough HPE technology can detect up to 15% 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.

Together, with our beta test sites we have already shown significantly improved results over existing technology and are confident that our HPE approach will greatly assist researchers in advancing their proteomic research projects.

Our 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 pre-cast gels come in standard 12.5 cm x 25 cm and large sizes 20 cm x 26 cm - electrode positions are adjustable for the both sizes. Non-fluorescent film backing is available for fluorescent detection, together with standard film backing for visible staining.

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

gelcompany Marketing Director Reiner Westermeier says “The new HPE process is a major breakthrough for researchers and laboratories and realizes the long time dream of combining the throughput capacity of vertical systems with the performance of horizontal electrophoresis.

gelcompany CEO James Walker adds: “This truly innovative HPE system is a major step forward in electrophoresis and will result in researchers identifying more proteins, more easily and consistently.”

We are excited to be showing our new HPE system at the annual HUPO conference in Toronto, the leading proteomics event for the year, starting on 28 September 2009.

For details on our new HPE technology and how it can assist your proteomics projects please contact Guenter Thesseling, our Chief Sales and Marketing Officer on guenter.thesseling@gelcompany.com.

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About gelcompany:

gelcompany sells and develops innovative consumables and equipment that enable scientists to better measure biological processes using fluorescence.

The company has established itself as the global leader in the supply of products which are environmentally friendly, safe to use and offer a unique solution and superior performance compared to existing products. These products are used globally by our customers in research, quality control and diagnostics. See our website to view our products. www.gelcompany.com

