



For Immediate Release

### **Invitrogen and HUPO Announce New Standard for Mass Spectrometry**

**Carlsbad, Calif., Oct. 11, 2007** – Invitrogen Corporation (NASDAQ:IVGN), a provider of essential life science technologies for research, production and diagnostics, in collaboration with the Human Proteome Organization (HUPO), an international scientific organization that promotes proteomics, announced the launch of the HUPO Gold Mass Spectrometry (MS) Protein Standard sampling program. This will become the first commercially available all-recombinant human protein standard for mass spectrometry.

The HUPO Gold MS Protein Standard, which is a defined mixture of known human proteins designed to allow scientists to benchmark the quality of their experimental data and compare results from experiment to experiment, is expected to become an essential tool in data validation for all mass spectrometry-related analysis. This standard should allow scientists to validate and cross-reference their data, independent of sample types processed, mass spectrometry workflows performed, or actual mass spectrometers used.

“With a variety of published mass spectrometry workflows, as well as the large number of instruments and data-analysis software packages available for use, researchers today face major challenges validating and comparing their published data,” said John Bergeron, Chair of HUPO Scientific Initiatives. “The HUPO Gold MS Protein Standard together with HUPO directed training should lead to field-generated data of greater run-to-run accuracy and reproducibility.”

“Currently available standards for mass spectrometry are isolated directly from human samples, so they potentially contain naturally occurring contaminants, as well as proteins subject to natural genetic variations leading to slight changes in protein mass which can contribute to reduced reliability and reproducibility of a standard,” said Paul Predki, Invitrogen Vice President of Research and Development. “By developing this new standard using recombinant methods, we have designed a valuable resource that will aid scientists in making their substrate identification more definitive and will allow them to reference their efforts on a global research scale.”

Samples of the HUPO Gold MS Protein Standard are immediately available to members of HUPO. The entire HUPO Gold MS Protein Standard will be commercially available in the first quarter of 2008.

For more information please visit [www.invitrogen.com/hupogold](http://www.invitrogen.com/hupogold).

#### **About Invitrogen**

Invitrogen Corporation (NASDAQ:IVGN) provides products and services that support academic and government research institutions and pharmaceutical and biotech companies worldwide in their efforts to improve the human condition. The company provides essential life science technologies for disease research, drug discovery, and commercial bioproduction. Invitrogen's own research and development efforts are focused on breakthrough innovation in all major areas of biological discovery including functional genomics, proteomics, bioinformatics and cell biology -- placing Invitrogen's products in nearly every major laboratory in the world. Founded in 1987, Invitrogen is headquartered in Carlsbad, California, and conducts business in more than 70 countries around the world. The company is celebrating 20 years of accelerating scientific discovery. Invitrogen globally employs approximately 4,300 scientists and other professionals and had revenues of more than \$1.15 billion in 2006. For more information, visit [www.invitrogen.com](http://www.invitrogen.com).

## **About HUPO**

HUPO ([www.hupo.org](http://www.hupo.org)) was launched on February 9, 2001. On that date, a global advisory council was officially formed that included leading international experts in the field of proteomics from the academic, government and commercial sectors. HUPO's council currently has 48 members from 19 countries, all of whom are renowned proteomics researchers from the academic and industrial sectors. HUPO's headquarters have been located at the McGill University and Génome Québec Innovation Centre in Montréal, since January 2005. HUPO now has 2000 founding members from 69 countries.

HUPO promotes the development and awareness of proteomics research and advocates on behalf of proteomics researchers throughout the world. It has benefited from substantial contributions of time and energy from members of HUPO's Council, research institutions and pharmaceutical companies around the globe.

### **Safe Harbor Statement**

Certain statements contained in this press release are considered "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, and it is Invitrogen's intent that such statements be protected by the safe harbor created thereby. Forward-looking statements include, but are not limited to 1) this will become the first commercially available all-recombinant human protein standard for mass spectrometry; 2) the HUPO Gold MS Protein Standard is expected to become an essential tool in data validation for all mass spectrometry-related analysis; 3) this standard should allow scientists to validate and cross-compare their data, independent of sample types processed, mass spectrometry workflows performed, or actual mass spectrometers used; 4) the HUPO Gold MS Protein Standard together with HUPO directed training should lead to field-generated data of greater run-to-run accuracy and reproducibility; 5) Invitrogen has designed a valuable resource that will aid scientists in making their substrate identification more definitive; 6) HUPO Gold will allow scientists to reference their efforts on a global research scale. Potential risks and uncertainties include, but are not limited to, the risks that the market will not accept the companies' products and services, or that the companies will be unsuccessful in their efforts to develop new products and services, as well as other risks and uncertainties detailed from time to time in Invitrogen's Securities and Exchange Commission filings.

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