

**PRESS RELEASE — FOR IMMEDIATE RELEASE**

**Advanced Instruments to Debut World's Fastest High Throughput Freezing Point Osmometer at BioProcess International Conference & Exhibition**

**BOSTON, MASSACHUSETTS — October 1, 2007** — Advanced Instruments, Inc. ([www.aicompanies.com](http://www.aicompanies.com)) will introduce the world's fastest freezing point osmometer to the biotechnology industry at the 2007 BioProcess International show in October. The revolutionary high throughput Multi-Sample 20G Osmometer measures 96 samples in about 35 minutes.

Designed to automate laboratory work and reduce the time for cell culture process optimization, the high throughput Multi-Sample 20G Osmometer incorporates eight computer controlled osmometers and a robotic sample handling system, all enclosed in a safety cabinet.

"Scientists and laboratory directors face a growing need for better tools to perform cell culture process development. The new Multi-Sample 20G Osmometer meets the process parameters demanded to accurately measure at high volumes, as is customary with drug discovery," said Peter Costas, Vice President of Sales and Marketing at Advanced Instruments.

**Visit Advanced Instruments in booth #531 to view a live demonstration of the world's fastest freezing point osmometer.**

With the new Multi-Sample 20G Osmometer ([www.aicompanies.com/20G](http://www.aicompanies.com/20G)), biotechnology researchers are equipped with:

- Eight computer-controlled analysis units
- Accurate osmolality measurement in clinical, industrial, and research settings
- Robotic system that quickly provides smooth, automated sample handling
- Enclosed components in an easily accessible safety cabinet
- Random-access, fully programmable system controls
- Statistical analysis components that provide mean, standard, deviation and coefficient of variation functions
- Data export
- LIMS user interface
- Flexible reporting options and results storage/retrieval
- Barcode reader that provides additional input options
- Sterile consumables containment area that prevents contamination of cell culture reactors



“The Multi-Sample 20G Osmometer combines the freezing point depression method of osmolality measurement with a 96 well format, providing the unmatched combination of speed, accuracy and versatility required by biotechnology scientists and laboratory directors,” said Costas.

The Multi-Sample 20G Osmometer operating process begins when 96 sample tubes are presented to the system at the start of a cycle in a modified, microplate (SBS) format. The automated sample handling system then moves the tubes and probe cleaners to and from the eight osmometers. Results are displayed on a color touch-screen monitor and can be automatically transferred to a central database.

Visit Advanced Instruments at booth #531 at the BioProcess International Conference & Exhibition to learn more about the high throughput Multi-Sample Model 20G Osmometer.

For more information contact Advanced Instruments directly online at: [www.aicompanies.com](http://www.aicompanies.com), by email at: [info@aicompanies.com](mailto:info@aicompanies.com), or by phone: 1-800-225-4034.

### **About Advanced Instruments**

Founded in 1955, Advanced Instruments, Inc. is the world's largest supplier of freezing-point osmometers used in clinical, pharmaceutical, and biotechnology laboratories. The company is also a leading supplier of analytical instruments and test kits for the food, dairy, and industrial microbiology markets. Based in Norwood, Massachusetts, USA, the company also produces Fiske® Associates brand diagnostic instruments and operates Spiral Biotech, Inc., and Delta Instruments as wholly-owned subsidiaries.

Advanced Instruments' products are supported by a worldwide network of direct sales people and independent distributors. Reach Advanced Instruments online at [www.aicompanies.com](http://www.aicompanies.com) or contact customer service at (800) 225-4034 or +1 (781) 320-9000.

### **Notes to Editors:**

- Download high resolution photos at: <http://www.aicompanies.com/photos>
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