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**Molecular Spectroscopy**

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**Thermo Fisher Scientific's New Nicolet iS10 FT-IR Spectrometer Simplifies Infrared Spectroscopy for QA/QC and Investigative Analytical Laboratories**

MADISON, WI (March 18, 2008) – Thermo Fisher Scientific Inc., the world leader in serving science, announces the launch of its new Thermo Scientific Nicolet™ iS™10 FT-IR spectrometer, powered by new OMNIC™ Specta™ software. This easy-to-use system simplifies spectroscopy, enabling chemists in analytical and investigative chemistry laboratories to take full advantage of the power of FT-IR and have complete confidence in their results.

Analytical laboratories increasingly require more efficient instruments to carry out analysis of raw materials and finished goods. For such analyses, FT-IR is a technique of choice. The Thermo Scientific Nicolet iS10 FT-IR spectrometer system significantly simplifies data analysis, sampling and instrument validation.

“Spectral interpretation has remained the most significant hurdle in FT-IR,” said Dr. Ian Jardine, vice president of global research and development for Thermo Fisher Scientific. “FT-IR rapidly gets the user from ‘sample to spectrum.’ However, getting from the spectrum to actionable information, such as identification, was often a highly subjective, iterative and laborious process requiring high levels of skill and time.”

Using revolutionary deconvolution protocols, Thermo Fisher Scientific's new OMNIC Specta software, integrated with the Nicolet iS10, dramatically simplifies the interpretation process. “The software allows users to identify individual components in a mixture from a single spectrum in one simple step. Materials can be identified rapidly, and with complete confidence, in a fraction of the time by anyone with basic chemical knowledge,” added Jardine.

To give users further assurance of the reliability of their results, the Thermo Scientific Nicolet iS10 incorporates Spectral Performance Verification (SPV). This function monitors the accuracy and performance of the spectrometer on a regular basis, giving users complete confidence in their results and avoiding the possibility of repeating tests. The instrument checks can be carried out overnight, ensuring that the system is fully prepared for the following day.

Due to its ease of use and general applicability, ATR is the most common FT-IR sampling technique. However, many users also require a second sampling accessory, such as an integrating sphere or transmission compartment. The Nicolet iS10 can be optionally configured with the Thermo Scientific Nicolet iZ™10 module, which allows two accessories to be installed at the same time. This eliminates accessory exchange time and the possibility of damage occurring during the exchange process, thereby simplifying the experiment.



For more information about the Thermo Scientific Nicolet iS10 FT-IR spectrometer please e-mail [analyze@thermofisher.com](mailto:analyze@thermofisher.com), call +1 800-532-4752 or visit [www.thermo.com/i10](http://www.thermo.com/i10).

**About Thermo Fisher Scientific**

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With annual revenues of \$10 billion, we have more than 30,000 employees and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit [www.thermofisher.com](http://www.thermofisher.com).

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