



Press Release

Bio-Rad Releases KnowItAll® 2017 Spectroscopy Software

The Spectral Database Collection Offers 2.3 Million Spectra

HERCULES, Calif.–October 3, 2016 –Bio-Rad Laboratories, Inc. (NYSE: BIO and BIOb), a global provider of life science research and clinical diagnostic products, today announced the release of its KnowItAll® 2017 spectroscopy software and databases.

This release offers an additional 976,000 reference spectra in the KnowItAll Spectral Library including Bio-Rad's Sadtler™ spectra as well as spectra from John Wiley & Sons, Inc., bringing the spectral database collection to over 2.3 million spectra.

"Bio-Rad's KnowItAll spectroscopy software and databases are essential tools for any organization managing spectral data, performing spectral analyses, and sharing analytical information," said Gregory M. Banik, Ph.D., Bio-Rad General Manager, Informatics. "We continue to innovate and provide value to our customers by combining intelligent software with the largest collection of spectral data, resulting in faster and more accurate analyses," he added.

Additional Benefits

- Users can save time by automatically importing structures and properties directly from PubChem to enhance user-built databases.
- Improvements made to streamline Bio-Rad's Enterprise Server software for management of spectral and chemical data throughout an organization.
- Bio-Rad's KnowItAll® ID Expert software application for spectral identification supports all techniques in the KnowItAll software (Infrared (IR), Raman, NIR, NMR, MS, UV-Vis).

Visit www.knowitall.com/whatsnew to see a full list of updates in this release.

About KnowItAll Spectroscopy Software

Bio-Rad's award-winning KnowItAll software offers comprehensive solutions for spectral analysis, identification, search, data management, and reporting. It supports multiple instrument vendor file formats and techniques (IR, Raman, NIR, NMR, MS, UV-Vis). The software, combined with over 2.3 million spectra, helps chemists extract even greater knowledge from their spectral data. Learn more at www.knowitall.com.

About Spectral Databases

Researchers use spectral search software along with spectral databases to identify unknown substances and verify the composition of synthesized materials in a number of applications and industries. First, precision instruments measure a substance and produce a spectrum, which is expressed as a graph showing a series of peaks that is specific to the sample material. That spectrum is then compared to a reference database of the measured spectra of known substances. If a matching spectrum is found, the material in question can be identified. Bio-Rad's KnowItAll solutions provide search software tools, as well as the world's most extensive collection of reference spectra used in this type of analysis.

About Bio-Rad

Bio-Rad Laboratories, Inc. (NYSE: BIO and BIOb) develops, manufactures, and markets a broad range of innovative products and solutions for the life science research and clinical diagnostic markets. The company is renowned for its commitment to quality and customer service among university and research institutions, hospitals, public health and commercial laboratories, as well as the biotechnology, pharmaceutical, and food safety industries. Founded in 1952, Bio-Rad is based in Hercules, California, and serves more than 100,000 research and health care industry customers through its global network of operations. The company employs more than 8,000 people worldwide and had revenues exceeding \$2 billion in 2015. For more information, please visit <http://bio-rad.com>.

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