



Rigaku Global Corporation

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# Press Release

## The Rigaku BioSAXS-2000 brings a beamline experience to home lab SAXS experiments

**May 24, 2014 – The Woodlands, TX.** [Rigaku Corporation](#) introduces the [BioSAXS™-2000](#) system, an updated version of its popular 2D Kratky system for small angle X-ray scattering of biological samples. The BioSAXS-2000 includes the new OptiSAXS optic, which captures a larger angle of the X-ray source to provide more than double the flux at the sample position. With the OptiSAXS optic, you get faster data collection with higher signal-to-noise. Data collected with the BioSAXS-2000, which is presented at the [2014 American Crystallographic Association meeting](#) in Albuquerque, shows that exposure times as low as 1-2 minutes are often sufficient to determine basic structural parameters for macromolecular samples in solution. With the advent of fast SAXS data collection at home, automated tools for sample mounting, data collection and analysis become especially important. The BioSAXS AUTO package accomplishes each of those tasks with the Automatic Sample Changer for automatic sample loading and data collection and the Automated Analysis Pipeline for automatic data processing and analysis. When coupled together, the BioSAXS-2000 and BioSAXS AUTO bring a beamline experience to home laboratory SAXS experiments.

### About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,100 people in the manufacture and support of its analytical equipment. Its products are in use in more than 70 countries – supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial community.

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