



Press Release

The world's most comprehensive biological SAXS system for the home lab

The Woodlands, TX – February 15, 2013. Rigaku Corporation introduces the new **BioSAXS-1000 AUTO**, a leap forward for experimental biological SAXS (small angle X-ray scattering) workflow for the home lab. The **BioSAXS-1000 AUTO** combines Rigaku's proven BioSAXS-1000 system with automatic sample handling, automatic data collection and automatic data analysis for biological solution scattering experiments. Integral to the new **BioSAXS-1000 AUTO** is a state of the art SAXS analysis pipeline, called **AAP** (automatic analysis pipeline), that utilizes automated modules from the world's most popular and comprehensive ATSAS program suite. Resulting from collaboration between Rigaku and EMBL scientists in Hamburg, Germany, the automatic ATSAS-based pipeline inherent to **AAP** automates data processing steps such as profile averaging and buffer subtraction as well as data analysis steps such as Guinier and Porod analyses, $P(r)$ calculation, *ab initio* shape determination and evaluation. The end result of **AAP** is a summary of results for several concentrations of your protein solution, presented in an easy-to-review format with hyperlinks to visualize the data and models. With the **BioSAXS-1000** and **AAP**, Rigaku gives you all the tools you need to perform successful SAXS experiments in the home lab and to make the information obtained from SAXS an integral part of your research flow.

About Rigaku

Rigaku and its subsidiaries are the leading suppliers of general purpose analytical instrumentation for life sciences and materials research. The Rigaku Life Science Group, in particular, is dedicated to supplying instruments for the structural biology community to drive discoveries that increase our understanding of life at a molecular level. These products include instrumentation for macromolecular crystallography, crystallization automation and biological solution scattering. Rigaku supports its Life Science products with expertly trained engineers and scientists who are dedicated to providing high-quality customer service through personal accountability and professional commitment to our customers. For more information on Rigaku products, please visit www.rigaku.com.

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