

Untangle the Complexities of Proteomics with Lab Automation

Seamless Solutions from Sample Prep to Data Acquisition



At Beckman Coulter Life Sciences, we have been at the forefront of supporting proteomics studies since 1986, when we introduced the trailblazing Biomek 1000 instrument.

Our extensive experience and expertise in automating expression, functional, and structural proteomics processes—including isolation and integration with analytical devices—enables us to provide robust automation solutions.

With a focus on data quality, integrity and consistency, our automation solutions are accelerating answers in labs around the world. By bringing these solutions into your lab, you can empower your AI and machine learning models with high-quality, reproducible data and streamline the study of proteomes in disease and therapeutic responses.

Our lab automation solutions offer the following capabilities:

Reproducibility

Consistent sample preparation across triplicate wells with a CV of less than 2%

Standard curve linearity (R^2) of over 99% during serial dilution in proteomic workflow analytical assays

Throughput

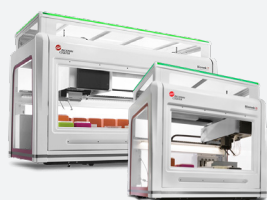
Large deck capacity and on-deck device utilization

Selective tip feature of the multichannel head providing flexibility for both low- and high-throughput applications

Scalable and Modular

Our experts have integrated 300+ different third-party devices from over 60 manufacturers to transform our liquid handlers into advanced lab automation solutions.

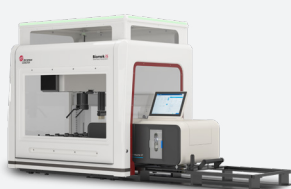
One-Stop-Shop for your Proteomics Research Needs



Biomek Automated Workstations



Echo Acoustic Liquid Handlers



Integrated Workstations



Automated Liquid Handling Software



Tips



“Our scientific work covers a wide range of applications, including the detection of vitamins, the determination of drugs and drug residues, the investigation of biomarkers, and innovative methods of material research and development. The Biomek i7 gives us the highest possible flexibility for automating the respective workflows and integrating our own, customer-specific automation devices and systems to realize a variety of sub-processes beyond classic liquid transfers. This makes high-throughput processes possible even for applications for which automation was previously hardly possible.”

*Prof. Dr.-Ing. habil. Kerstin Thurow,
 Executive Director of Center for Life Science Automation,
 University of Rostock, Germany*