Accelerate Drug Discovery & Basic Research

ACCELERATING *answers*

BECKMAN COULTER
Life Sciences

In Today's Fast-Paced Environment, You Need More than Out-of-the-Box Thinking

You need a comprehensive solution, provided by a company that believes in listening as you describe your challenges, then taking a consultative approach to helping you address them.

You need future-oriented solutions from a forward-looking company that knows the value of harmonizing every aspect of its solutions—hardware, software, integrated third-party components, and reliable, ongoing service and support.

You need an automation solution from Beckman Coulter Life Sciences.

Your success drives our success. That's why we're personally committed to four areas of service aimed at helping you succeed:

1

Consultative workflow analysis —from a team that doesn't want to sell you an instrument, but instead wants to help design a total solution that meets your lab's needs.

2

Expert applications and technical support—from scientists experienced with your applications, as well as from skilled trainers who'll provide comprehensive, hands-on training for you and your staff.

3

Responsive service support—including remote, camera-enabled monitoring and onsite visits, from an organization rated higher for technical service/support than any of our major competitors.

4

Scientific partnership—between your team and ours, to identify speaking opportunities, conference activities and other ways to shine a spotlight on your research.

When you open the box on a new workstation from Beckman Coulter Life Sciences, what you get out of it is more than just an instrument—you get an enduring professional relationship focused on driving your success.

A sampling of core application areas you can accelerate with an automation solution from Beckman Coulter Life Sciences:

- Cell-based assays
- High-throughput screening
- High-content screening
- Cell line development
- Cell culture
- Transfection
- Biochemical assays
- Gene editing
- Continuous cell culture
- Biologic bioanalysis
- Proteomics, lipidomics, metabolomics
- Synthetic biology
- 3D cell models
- Compound handling
- Process development
- Media & Process optimization

Powering a Complete Solution for Accelerating Your Research

Presenting the Biomek i-Series Automated Workstations*

One of eight available configurations of the Biomek i7 Automated Workstation.

One of four configurations of the Biomek i5 Automated Workstation, for all the benefits of an i-Series workstation in a smaller footprint.

Simplicity • Efficiency • Adaptability • Reliability

Representing the best of what has made Biomek workstations an industry leader—combined with enhancements suggested by customers around the globe—Biomek i-Series Automated Workstations have been designed to optimize dependability and walk-away time in mid- to high-throughput labs.

Some of the enhanced features for the i-Series portfolio include:

- Bright, multiple color- and pattern-coded status light bar alerts you to the instrument's current mode, even from across the room.
- Biomek light curtain for safe open system operation.
- Internal LED light illuminates the instrument deck for easy access and monitoring of your workspace status.
- Rotating gripper with unique offset finger design optimizes access to high-density decks, enabling more efficient workflows.
- Large-volume, 1 mL multichannel pipetting head expedites sample transfers and enables more efficient mixing steps.
- Spacious, open-platform design enables access from all sides to enable integration of adjacent-to-deck, and off-deck processing elements (e.g., analytical devices, external storage/incubation units, and labware feeders).
- Onboard cameras enable live broadcast and on-error video capture to expedite response time and system diagnosis.

All i-Series workstations are offered with or without an enclosure that features side and back acrylic panels for safety, and a top panel to protect samples from particulates introduced by laboratory HVAC systems.

Biomek Software – Workflow Intelligence at Every Step

At the heart of every Biomek workstation is the software. Biomek software provides the confidence to know your samples are being treated consistently every run, and, with every liquid transfer, the data from your samples is being stored. To safeguard your data, it supports 21 CFR Part 11 compliance in regulated environments.

The intuitive, drag-and-drop user interface makes setting up and maintaining your workflows easy. To meet the needs of your screening workflows, we also offer:

- Biomek Method Launcher: enables you to select, set up, run and track methods in a few simple mouse clicks, as well as remotely monitor real-time progress from any device with a Google Chrome browser.
- PowerPack: features advanced tools to make programming your data-intensive methods easy.
- DART (Data Acquisition and Reporting Tool): gathers data and synthesizes runtime information from Biomek log files to capture each manipulation of the sample during the course of the method.
- SAMI EX: designed to provide complete automation and process control by creating planned schedules with the benefits of an optimized, predictable static schedule.
- SAMI Process Management Software (SPMS): a calendar-format organizational tool that allows the addition, monitoring, and planning of SAMI EX methods and other events as part of user-defined processes.

Main Workspace

Method Building

As the central part of a complete workflow solution, your Biomek workstation can be integrated easily and effectively with virtually any peripheral tool and accessory your lab will ever need. We've successfully integrated 300+ third-party devices from 60+ manufacturers to meet the diverse and ever-evolving automation needs of customers.

Beyond the Liquid Handler

Our comprehensive approach to optimizing your workflows every step of the way includes aspects of integration customers say are most important, such as:

1

Environmental Control

HEPA filtration is an optional standard component for all Biomek workstations. Additional sample-, environmental- and/or operator-protection solutions are available. We collaborate with third-party vendors to meet BSL-2 and BSL-3 lab needs.

2

Shake

Achieve thorough mixing via a variety of on-deck devices. Easy integration of hotel/tower shakers supports the need for long-term shaking incubation.

3

Analyze

Hardware and data-connectivity integration options can streamline your entire workflow, no matter what your endpoint may be — reader, flow cytometry or imaging. Standalone data management options are also available.

4

Buffer & Reagent Management

Enhanced functionality enables easy access to standard on-deck reservoirs. Just-in-time reagent-filling reservoirs enable high-throughput, on-deck volume accessibility. Temperature-controlled devices help maintain the integrity of your reagents, buffers and cells.

5

Storage

Optional on and off-deck storage options support high-throughput requirements. Specific workflow solutions enable random plate accessibility and medium to high capacity storage for plates and consumables.

6

Footprint

Modular configuration options enable a good fit with your lab space today, and are easily reconfigurable to accommodate future needs. Table design includes pull-out drawers and ample space for managing secondary containment requirements.

7

Incubation

Workflow solutions that meet the requirements for assay plate temperature, CO_2 and humidity environment needs.

A complete team of experts makes all the difference.

For comprehensive automation configurations, we can put together an expert team with experience in:

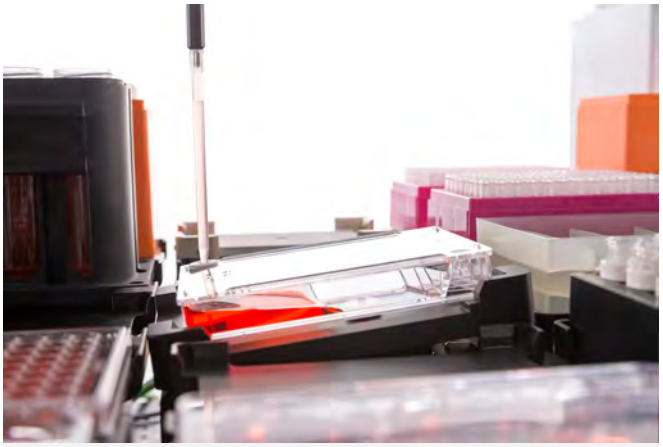
- Mechanical, electrical and systems engineering
- Software development
- Project management
- The science behind your specific research area(s)

Cell Culture: Maximize pipetting efficiency using the 1mL Multichannel pod for media transfers.

You'll also get the benefits of direct consultative partnerships with our Danaher life sciences network:

- **Molecular Devices**, one of the world's leading providers of bioanalytical measurement solutions for life science research, pharmaceutical and biotherapeutic development
- **Pall**, a provider of cutting-edge products and services to meet the needs of customers discovering, developing and producing biotech drugs, vaccines, cell therapies and pharmaceuticals
- **SCIEX**, a global leader in capillary electrophoresis and liquid chromatography-mass spectrometry
- **IDT**, a leader in developing, manufacturing nucleic acid products to support life sciences industry
- **Phenomenex**, a global technology leader in developing novel analytical chemistry solutions to solve the separation and purification challenges of researchers

Tilting: The 1D and 3D (shown) tilting ALP enable enhanced capability to maximize efficiency of media exchanges. The 3D tilting ALP also aids in controlled and gentle bathing of cells with media and efficient adherent cell disruption during trypsinization.



Expansion: Independent Span-8 probe programming enables access to single well flasks often used in cell culture expansion and cell line development workflows.

World-Class Training and Support to Give You Complete Confidence

We take our responsibility to provide professional service personally.

From online classes or instructor-led training, to on-site application support – we're committed to doing everything possible to ensure that you can operate your Biomek workstation with confidence.

BeckmanConnect remote support provides secure, real-time online service, enabling swift resolution designed to minimize downtime and maximize productivity without the need for on-site visits.

Please visit **beckman.com** to learn more.

Biomek Automated Workstations are not intended or validated for use in the diagnosis of disease or other conditions.

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For Beckman Coulter's worldwide office locations and phone numbers, please visit Contact Us at **beckman.com**

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