Cell Counters, Sizers and Media Analyzers

Since the invention of the original COULTER COUNTER in 1954, we have built a full family of innovations that streamline cell counting, sizing, viability analysis and cell culture monitoring systems-thereby opening up new possibilities for you in life sciences.

Every solution we create starts with you, and the performance, accuracy and workflow efficiency you need. Reliable engineering is built in, so that you can count on your instrument to meet the demands of your lab time after time. We've continually introduced new innovations to improve your workflow culminating in a full family of cell counters including our Vi-CELL cell viability platform and the Multisizer 4e particle size analyzer.

Each takes a different approach to help you count, size and monitor cell health, featuring sophisticated, industry-leading technology. They're powerful, versatile and precise platforms, yet still perfectly user-friendly and intuitive. So whether you're looking for full automation, in-depth results, or simply a level of reliability unmatched in the industry, you're sure to have a solution that meets your needs.

Link of cell counter, sizers and media analyzers:

https://www.mybeckman.in/cell-counters-and-analyzers

Flow Cytometry

Our goal in Flow Cytometry is to help you achieve your goals—by providing the technology you need to get the most accurate, reproducible results, whether for routine cell based assays or for high-complexity flow cytometry applications. For basic researchers who want to harness the power of high dimensional single cell analysis, software that streamlines instrumentation operation without compromising the performance are required. For the clinical diagnostic laboratory which are constantly under pressure to do more with less, our solutions streamline the workflow

Air Particle Counters for Cleanroom and Environmental Monitoring

MET ONE air particle counters lead the industry in providing solutions to monitor air cleanliness in compliance with ISO 14644, FDA CGMP and EU GMP Annex 1. Portable, remote and handheld air particle counters are designed to easily integrate into your standard operating procedure (SOP) for cleanliness monitoring for aseptic fill, routine environmental monitoring, cleanroom and flow bench validation, and air filtration troubleshooting. Offering ISO 21501-4 compliance, MET ONE air particle counters are reliable, durable and easy to integrate into your 21 CFR Part 11 compliant workflow.

MET ONE 3400+ Series GMP Cleanroom Routine Environmental Air Particle Counter

Allows GMP cleanroom users to simplify their routine environmental monitoring and improve data integrity.

- Customized interactive electronic SOP maps

- Interactive tracking
- Electronic records straight from the counter
- Web-browser SOP version control and review & approve workflow

Link of Flow Cytometry : https://www.mybeckman.in/flow-cytometry

Automated Liquid Handling Solutions

By combining the power of Echo and Biomek brands, we've officially launched the next wave in liquid handling technology.

As experts in fluidtransferology, we now offer a broader range of flexible, scalable liquid handling solutions for NGS, genomic, cellular, protein and other workflows—for research areas such as drug discovery, biopharma, agriculture, synthetic biology, forensics and more. We also offer a library of demonstrated next-generation sequencing and nucleic acid sample prep methods automated across our portfolio.

We are committed to the continued support of our customers utilizing our legacy instruments. Here are resources, manuals, and eIFUs to support the Biomek 4000, Biomek NXp, and Biomek FXp automated workstations.

Whether it's acoustic dispensing, tip-based liquid handling or fully integrated systems—we have the expertise and breadth of capabilities to expand your scientific boundaries, maximize your budget and rapidly drive your discoveries.

Link of Liquid Handling solutions is : https://www.mybeckman.in/liquid-handlers

HIAC Liquid Particle Counters

Get accurate, consistent fluid monitoring with HIAC particle counters

In the early 1960's Leon D. Carver and his team at HIAC (High Accuracy Products) invented light obscuration and the term particle counting was born. HIAC was the first company in the world to use a laser light source for light obscuration sensors. Over the course of 60 years, Beckman Coulter Life Sciences has continued to innovate and is the market leader in sizing particles in liquids or gases. These liquid particle counters are now being used for monitoring hydraulic fluids, glycols,

cleaning solvents, fuels, lubricants, pharmaceuticals, compressed gasses, water and many others. HIAC is the benchmark name in liquid particle counting.

Link of liquid particle counter is https://www.mybeckman.in/liquid-particle-counters

Microbioreactors

The stand-alone and integrated microbioreactors from Beckman Coulter Life Sciences help to accelerate the screening of microbial strains, media and bioprocess conditions with real-time evaluations of biomass, fluorescence, pH value, dissolved oxygen, and other key cultivation parameters. Enjoy the benefits of automated sample draws and liquid transfers, easy data analysis and increased walk-away time.

Link of Microbio reactor is https://www.mybeckman.in/microbioreactor

Particle Size Analyzers

Whatever your particular particle size analysis and particle characterization needs may be, look to us for the technology to meet them. Our instruments use techniques that include the Coulter principle, laser diffraction, light scattering and polarized intensity differential scattering (PIDS) to provide the data you require for your specific application(s).

Link of particle size analysers is https://www.mybeckman.in/particle-size-analyzers

Genomic Solutions

You recognize the incredible potential of the human genome, but you also know that exploiting that potential requires incredible effort in the lab. Our reagent portfolio is powered by Solid Phase Reversible Immobilization (SPRI) technology—widely known as the science behind AMPure XP—which uses SPRI paramagnetic beads to selectively bind nucleic acids by size. It's ideal for nucleic acid extraction from cells, tissue, blood and even challenging formalin-fixed, paraffin-embedded (FFPE) samples.

You can use our chemistries with manual and/or fully automated methods on your choice of platforms, for optimum performance, flexibility and scalability. Review our selection guide for the complete portfolio of kits to support your sample prep workflows or contact our genomics proof of principle team. Additionally, by partnering with us as an OEM reagents supplier to develop your genomic assays, you're committing to a solution that you and your customers can rely on.

Link of genomic solution is https://www.mybeckman.in/reagents/genomic

Contact Beckman on :

https://www.mybeckman.in/request-quote.

Aperture Tubes

The aperture is a hollow glass tube with a hole in it through which cells are pulled in the Coulter counter. This tube is filled with salt solution and an electrode is placed on the inside and outside of the tube and electrical current flows through the hole in the tube. When a sample is measured, a vacuum is placed on this inside of the tube that pulls cells or particles through the hole. Every time a cell enters the hole of the aperture it displaces salt solution which results in a visible electrical pulse. The size of the pulse tells you how big the cell (or any particle) was when it went through the hole. The number of pulses tells you how many things went through the hole.

Automated Labware Positioners

Designed to fit seamlessly onto the deck of any Biomek workstation, Automated Lab Positioners (ALPs) from Beckman Coulter Life Sciences perform application-specific tasks, such as:

- Tip washing
- Shaking
- Heating/cooling
- Reagent Reservoirs
- Fly-by barcode reader for positive sample ID, process and tracking of microplates
- Labware feeders
- Instrument carts and tables
- And a host of others depending on your specific needs

Biomek Pipette Tips

A beacon of quality, Biomek pipette tips are designed exclusively for use on Biomek liquid handlers. Available in volume capacities from 0.5 µL to a full 1 mL. The Biomek software is preloaded with color-coded tip rack icons, tip definitions, and pipetting techniques to help streamline your method development.

All pipette tips from Beckman Coulter Life Sciences are certified to be free from DNase/RNase, DNA (human and mouse), PCR inhibition, pyrogen, endotoxins, and trace-metals, and are made only from 100% premium-grade virgin polypropylene.

Don't sacrifice your life's work (or even today's samples), use pipette tips from Beckman Coulter Life Sciences for quality you can rely on.

Cassettes for Flow Cytometry

Cassettes hold different types and sizes of specimen collection tubes. Beckman Coulter cassettes are specifically designed for the AQUIOS CL system for use with the autoloader. See the table below to determine which cassette is right for your needs.

CytoFLEX Platform Upgrades

One of the hallmarks of the CytoFLEX Platform is the ability to upgrade, adding additional functionality to the instrument when experimental needs change. Each model is equipped with the lasers and full set of bandpass filters. They are offered in a range of predefined configurations allowing laboratories to purchase only the functionality needed. Additional channels, including activating additional lasers and/or detectors, are accessible upon purchase of an activation key.

Plate Loader Options for the CytoFLEX Platform

These optional accessories are compatible with all CytoFLEX platform models, CytoFLEX, CytoFLEX S and CytoFLEX LX. The sample loader fits inside of the instrument preserving the compact footprint and can be installed at any time. Three options are available depending on your needs.

- Easy virtual plate layout setup with customizable wash and mix cycles
- Define multiple experiments on a single plate
- Amenable to automation using the built-in Application Programming Interface (API)

Biomek Micro- and Deep-Well Plates

Biomek micro- and deep-well assay/storage plates are uniquely designed to meet ANSI/SBS standards for compatibility with microplate equipment and automated lab instrumentation.

- Round, flat or conical bottom formats
- 96 or 384-wells
- Well volumes ranging from 200 µl to 2 mL
- Square and round well formats
- Cap mats available