



Cell Health



Centrifugation



Flow Cytometry



Genomics



Liquid Handling



Particle Analysis

2026-2027

Product Guide

ACCELERATING
answers





Cydem VT Automated Clone Screening System



- **Fully integrated system empowers cell line development** with high-throughput clone and minipool screening, plus fully automated, walk-away operation for up to three days
- **Screens 96 parallel clones/minipools under biomanufacturing-like conditions** for more predictive performance data
- **On-deck analysis** of cell density, viability and antibody titer
- **Continuously collects critical data** on cell growth/productivity to enable faster, data-driven decisions and reduce development timelines
- **All results consolidated in one software** for simplified data management



Vi-CELL BLU Cell Viability Analyzer



- **Fully automated cell analysis platform** for sample processing, viability assessment and cell counting using the trypan blue exclusion method
- **Delivers precise, reproducible measurements** while minimizing operator variability
- **Automation reduces manual handling** and ensures consistent data acquisition for critical decision-making in cell-based processes
- **Accelerate workflows** with fast processing time (130 seconds per sample)
- **Ensure consistency** with strong instrument-to-instrument correlation ($\pm 10\%$) for optimal data comparison across labs and sites
- **Maximize flexibility** with multiple loading options: 24-position carousel or 96-well plate
- **Save space and simplify setup** with a compact design and easy-to-use reagent kit
- **Reduce manual intervention** through advanced automation for hands-free sample introduction



Products not for use in diagnostic or therapeutic procedures.

Cell Health

Vi-CELL MetaFLEX Bioanalyte Analyzer



- **Fast and reliable bioanalyte** analysis in cell culture media with minimal sample requirements
- **Actionable insights in seconds** for precise monitoring of metabolic activity and optimized cell culture performance
- **Minimal sample requirement:** Only 65 μL per test, conserving valuable material
- **Rapid turnaround:** Comprehensive results in just 35 seconds for faster process control
- **Critical parameters monitored:** pH, glucose, pO_2 , pCO_2 , lactate, potassium, calcium, sodium
- **Enhanced connectivity:** Seamless integration with data management systems for streamlined reporting
- **Supports process optimization:** Enables real-time metabolic profiling for improved culture health and productivity



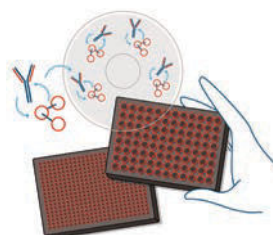
Valita Titer Assay



- **Accelerate antibody titer quantification** with a rapid, easy-to-use assay that delivers results in **less than 15 minutes**
- **High-throughput capability** with formats available in 96- and 384-well plates for scalable workflows
- **Automation-ready:** Seamlessly integrates with **Biomek i-Series workstations** for walk-away operation
- **Direct workflow efficiency:** From culture to plate to results without complex preparation steps
- **Simplified protocol:** Just add, mix and measure using any **fluorescence polarization-compatible microplate reader**
- **Flexible detection ranges:** Choose between **0.5-100mg/L** for Valita Titer Gen III or **20-3000 mg/L** for Valita Titer Plus Gen III
- **Improved decision-making:** Reliable, reproducible data for faster cell line development and process optimization

Valita Titer method

Add fresh media & IgG sample and mix



Incubate for 5 minutes at room temperature



Measure IgG using FP on a plate reader



Products not for use in diagnostic or therapeutic procedures.

Valita Aggregation Pure Assay



- **Improve cell line and process development workflows** with fast, accurate IgG aggregation determination
- **High-throughput screening** using fluorescence polarization for efficient analysis
- **Reliable and reproducible results** comparable to HPLC-SEC and DLS for aggregated protein quantification
- **Quick turnaround:** Complete screening in **just 15 minutes**, accelerating decision-making
- **Ready-to-use coated 96-well plates** for streamlined aggregation detection using a fluorescence polarization-compatible microplate reader
- **Automation-friendly:** Seamlessly integrates with **Biomek i-Series Automated Workstations** for walk-away operation



Fermentation

BioLector XT Microbioreactor



- **Boost throughput:** Perform up to **48 simultaneous cultivations** in a single microtiter plate
- **Cultivate diverse microbes:** Suitable for aerobic and anaerobic microorganisms, as well as phototrophic microbes with the use of the optional Light Array Module
- **Continuous control:** Microfluidic technology enables fed-batch process with continuous pH and feeding control in individual wells
- **Customizable protocols:** Flexible combination of feeding and pH control strategies for tailored process optimization
- **Enable complex experimental designs:** Automatable for **Design of Experiments (DoE)**, sampling and advanced workflows



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Centrifugation

Our centrifuges provide:

- **User-centric design** with intuitive controls and streamlined software for ease of use and minimal training requirements
- **Energy efficiency** through reduced power consumption without compromising performance, supporting sustainable operations
- **Safety and compliance** with industry standards and integrated safety mechanisms for secure, reliable operation



Optima Series



Optima X-Series Floor-Standing Ultracentrifuges

- Robust safety concept with Rotor Safety System & Dynamic Rotor Inertia Check (DRIC)
- Innovative concept for management of voltage fluctuations & power failures
- BioSafe* labware & rotors
- Rotor volumes up to 1,675 mL and speeds up to 100,000 RPM (802,000 x g)
- Offers capability to support 21 CFR Part 11 (Optima XPN only)
- Compatible with a variety of swinging-bucket, fixed-angle, vertical, near-vertical and zonal rotors



Type 45 Ti
6 x 94 mL



SW 32 Ti
6 x 38.5 mL



VTi 50.1
12 x 39 mL



Optima MAX-Series Benchtop Ultracentrifuges

- Sample volumes from 100 µL - 194.4 mL
- Our fastest centrifuge with speeds up to 150,000 RPM (over 1 million x g)
- BioSafe* labware & rotors
- MAX-XP software enables extended safety via user login, passwords & more
- Compatible with a variety of swinging-bucket, fixed-angle, vertical, near-vertical and zonal rotors



MLA-150
8 x 2 mL

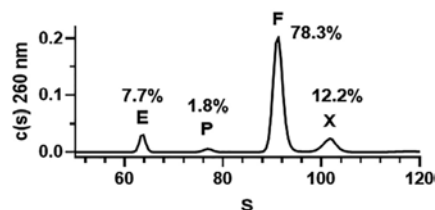


MLA-55
8 x 13.5 mL



Optima AUC Analytical Ultracentrifuge

- High-resolution quantification and characterization of protein interactions, viruses, nanoparticles and aggregation
- Analyzes molecules in their native, solution state
- Characterizes heterogeneous samples
- Requires small sample volumes
- Non-destructive



Analysis of empty (E), full (F), and partially-full (P) AAV particles with aggregates (X). Reproduced with permission from Wang et al.

Centrifugation



Intellifuge Calculator

More than just a calculator for your rotors

- Provides a comprehensive overview and comparison of all available rotor and tube combinations



Optima cGMP Suite Software for AUC

Supports GMP compliance of analytical ultracentrifugation via:

- User management
- Signatures
- Auto-generated reports & more

Integrates with SEDFIT*



Avanti JXN Series High-Performance Centrifuges

- Versatile solution for cell, vesicle, protein and nanoparticle separations
- Speeds up to 30,000 RPM (110,500 × g) and volumes up to 6 L
- Designed for high throughput, fast turnaround and improved workflow control
- BioSafe** rotors & labware
- User management features such as virtual network connection (VNC) and application programming interface (API) to overcome shared lab challenges
- Optimized rotor portfolio for efficient harvesting and sample clarification



JA 30.50
8 x 50 mL



JLA 8.1000
6 x 1000 mL



JLA 12.500
6 x 500 mL



*Third-party analysis software, including UltraScan and SEDFIT, have not been validated by Beckman Coulter Life Sciences for use with the Analytical Ultracentrifuge. Beckman does not endorse any third-party analysis software. Beckman warranty and/or performance guarantee that may be applicable or are provided by Beckman for Analytical Ultracentrifuge do not apply to any third-party software.

**BioSafe and BioSafety are terms intended to describe the enhanced biocontainment features of our products. Products not for use in diagnostic or therapeutic procedures.

Centrifugation

Benchtop Centrifuges



- Designed for cell culture processing, blood sample preparation and microplate applications
- Avanti J-15 Series centrifuges use Ultra Harmonic Technology (UHT) for optimized deceleration
- Space-saving Allegra models:
 - 1.6 L instrument: 46 cm wide
 - 3 L instrument: 60.5 cm wide



Microfuge Series Microcentrifuges

- Compact, versatile and fast centrifugation for small-volume applications
- Compatible with 1.5 mL and 2 mL microcentrifuge tubes (vials)
- Ideal for PCR tubes (vials)



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Centrifugation

OptiMATE Gradient Maker



- Transforms density gradient ultracentrifugation (DGUC) from a labor-intensive process into a streamlined, automated workflow for improved efficiency
- Handles nearly all pre-centrifuge steps: gradient prep, precise dispensing and tube sealing
- Significantly reduces errors and improves reproducibility for consistent results
- Compatible with multiple tube types: Quick-Seal, OptiSeal and Open-Top tubes
- Supports linear and step gradients for diverse experimental needs
- Accelerates workflows by shortening run times up to 75% for linear gradients
- Simplifies training: new operators can be trained in **hours, not weeks**, to reduce onboarding time
- Ensures consistency with published methods for reproducible results across runs/operators
- Carries the ACT label in the US, EU, and UK, supporting sustainability and transparency initiatives



OptiMATE Cesium Chloride & Iodixanol Density Gradient Media

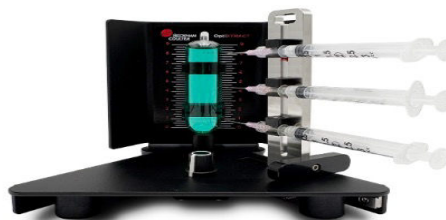
- Sterile and low endotoxin levels (≤ 1 EU/mL) to ensure product safety and compliance
- Designed for cGMP workflows to meet regulatory standards in biomanufacturing



OptiXTRACT Sample Recovery Aid

Simplifying post-DGUC workflows

- Streamlines band extraction for safer, more consistent recovery
- Guided needle piercing minimizes operator error and improves workflow efficiency
- Lower contamination risk for higher sample integrity
- Achieve higher reproducibility across runs/operators
- Accelerate recovery times to shorten overall process duration
- Reduce sample loss for better yield and cost efficiency
- Recover up to five bands per run, enabling high-throughput sample processing

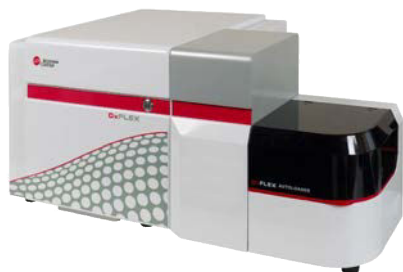


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Flow Cytometry

Clinical Flow Cytometers



DxFLEX* Flow Cytometer



High-complexity testing made easy

- Simplified compensation procedure (gain-independent compensation)
- More information per tube with up to 13 colors (10C IVD as part of the ClearLLab 10C workflow)*

Advanced sensitivity & resolution through APD technology

- Separation of dim populations
- Easier, more robust gating

Compact design

- Saves lab space
- No compressor cart



Navios EX** Flow Cytometer



Reliable, accurate, efficient

- Up to 10 colors**
- Enhanced resolution to distinguish a wide range of populations
- IVD assays for lymphocyte subset and leukemia/lymphoma analysis (non-Hodgkin's Lymphoma only)

Data consistency

- Constant sheath pressure for consistent acquisition rate
- Individual sample vortexing

Streamlined reporting

- Patient data reporting: Panel report, Flowpage, LIS connectivity & QC monitoring



AQUIOS CL Flow Cytometer



Load and go

- Makes sample loading as easy as using a hematology analyzer
- Simply load primary samples and receive results

Automated sample preparation

- Eliminates need for manual sample prep
- Enables simultaneous sample prep and data acquisition

More time for other crucial tasks

- Enables your team focus on data review and validation of results



*In the US, DxFLEX flow cytometer is cleared for 10-color in vitro diagnostic use with ClearLLab 10C Reagent System. Fluorescence channels FL 11-FL13 and all other applications are for Research Use Only.

**Navios EX is CE marked for 10-color in vitro diagnostic use. In U.S., Navios EX is intended for use as an in vitro diagnostic device for immunophenotyping with Navios tetra software and CYTOSTAT tetraCHROME reagents and ClearLLab 10C system. All other uses are for Research Use Only.

Flow Cytometry

Sample Preparation Systems

CellMek SPS System

Provides flexible automation

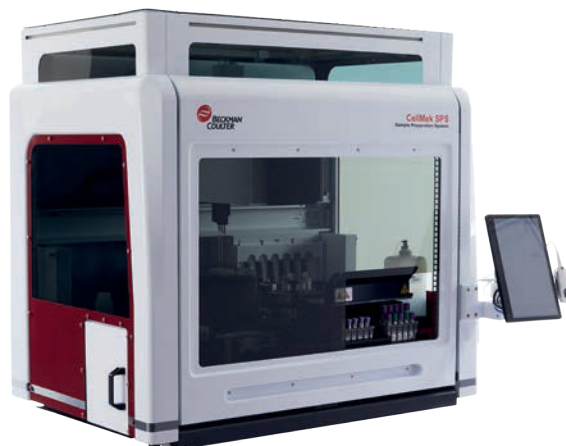
- To prepare different samples side-by-side—automated, customizable and built for true multitasking across diverse applications

Help unleash your team's potential

- Use of barcoded reagents, continuous loading and unloading of samples, and auto-cocktailing redefine efficiency in your flow cytometry lab—significantly reducing hands-on sample preparation time

Ensure uncompromising data integrity

- Via consistently reliable results with high reproducibility and fewer errors



Research Flow Cytometers

CytoFLEX flow cytometers and cell sorters

From nanoscale to high-dimensional analysis and sorting, you can choose the CytoFLEX instruments that best suit your research needs for today and tomorrow. Designed for durability with a compact footprint, the CytoFLEX platform is renowned for its exceptional sensitivity, which enables effortless detection of dim fluorescent signals and particles as small as 40 nm.*

Since its inception, the CytoFLEX platform has consistently provided flexible, user-friendly operation for generating high-quality data. The platform's intuitive CytExpert software simplifies learning and ensures reproducible results. Using any instrument within the CytoFLEX platform, you can achieve reliable, high-quality outcomes for your experiments.



Cytometers



Cell Sorters

* Characterized using polystyrene beads when triggering on Violet Side Scatter (VSSC1)

Flow Cytometry



Features 6 fluorescent & 5 side scatter channels for characterizing nanoparticles at least as small as 40 nm.*

CytoFLEX nano Flow Cytometer

Capable of complex sort logic and can be configured with up to 4 lasers & 15-color detection.

CytoFLEX SRT Cell Sorter

Original CytoFLEX Flow Cytometer
Offers configurations with 3 lasers & up to 13 colors.

CytoFLEX S Flow Cytometer
Offers configurations with up to 4 lasers & 13 colors.

CytoFLEX mosaic Spectral Detection Module
Offers 2 configurations: CytoFLEX mosaic 63 for CytoFLEX S ** and CytoFLEX mosaic 88 for the CytoFLEX LX.

CytoFLEX LX Flow Cytometers
Offers configurations up to 6 lasers & 21 colors.

Data you can trust

CytoFLEX technology was designed to deliver the most accurate, reproducible results, whether for routine assays or high-complexity flow cytometry applications.

Sensitivity

This includes detection of dimly fluorescent samples and nanoparticles. Most CytoFLEX analyzers can detect nanoparticles as small as 80 nm*—and the CytoFLEX nano Flow Cytometer can detect particles at least as small as 40 nm.*

Flexibility

From modular to automation options and the ability to activate as many or as few lasers you need, most CytoFLEX instruments provide the flexibility to upgrade.

A user-friendly experience

The average user can be trained on a CytoFLEX flow cytometer in <1 hour.

Robustness

The CytoFLEX platform is built for exceptional robustness and reliability, all within a compact footprint—so you can maximize lab efficiency.

* Characterized using polystyrene beads when triggering on Violet Side Scatter (VSSC1)

** Only valid for CytoFLEX S (V-B-Y-R) Series Flow Cytometer



Antibodies, Kits and Panels



In Vitro Diagnostic Kits and Reagents

Leukemia & Lymphoma Analysis

ClearLLab Antibody Solutions: ClearLLab 10C system is an integrated L&L* immunophenotyping solution which offers all components needed, from quality controls, sample preparation and antibody panels to analysis software and training material.



Immune Monitoring

CYTO-STAT tetraCHROME Reagents: Can be used alone or in combination with automated systems for T, B, and NK lymphocytes analysis. These reagents are indicated for use in the immunologic assessment of patients having or suspected of having immune deficiency.

AQUIOS TETRA Reagent Kits: Optimized for the AQUIOS CL platform, these reagents enable fully automated TBNK analysis and routine immunomonitoring. They are intended for use in the immunologic evaluation of patients with, or suspected of having, immune deficiencies.

Allergenicity Kit: helps identify resting & activated basophils for allergy diagnostics.



Blood Product Testing

AQUIOS STEM Kit: Designed for the AQUIOS CL platform for fully automated stem cell enumeration for transplant readiness.

Stem Kit: Designed to identify the human hematopoietic progenitor cells (HPC) on conventional flow cytometers.

Leukosure Reagents: Help enumerate residual leukocytes at the levels necessary to ensure the quality control of leukoreduced blood.



* For Non-Hodgkin's lymphoma only

Antibodies, Kits and Panels

Research Kits and Reagents

Measurable Residual Disease (MRD) Research

superRCA MRD assay:* An advanced molecular assay for flow cytometry-based mutation detection that enables ultra-sensitive MRD evaluation.



DURAClone RE Kits:
Pre-formulated seven- to eight-color dry antibody panels designed to identify and characterize rare abnormal blood cell populations in human whole blood or bone marrow.

Immune Cell Profiling

DURAClone IM Kits:
Pre-formulated antibody panels using up to 10 colors for identification/characterization of cells of the human immune system.

Beta Mark TCR Vbeta Repertoire Kit: Designed for quantitative determination of the TCR V β repertoire of human T lymphocytes.

Lineage-PE Cocktail: A mixture of PE-labelled antibodies directed against major leukocyte lineages allowing users to exclude these from further analysis of, e.g., dendritic cells.

Immune Function

DURAClone IF Kits:
Pre-formulated four- to six-color dry antibody panels to reveal immune function at a single-cell level.

IOtest Myeloid Activation Antibody Cocktail: A three-color cocktail that distinguishes innate immune responses to either viral or bacterial infection.

DURActive Stimulation Kits: Dry stimulation mixes for immune functional assays.

Stem Cell Characterization

DURAClone SC Kits:
Pre-formulated eight-color antibody panels for profiling/characterizing human stem cells.

Single-Color Antibodies

With more than 30 years of experience developing and manufacturing flow cytometry reagents, we offer one of the most comprehensive antibody portfolios—featuring CE-IVD and ASR-conjugated antibodies validated to clinical standards.

Our portfolio also includes an extensive range of RUO reagents, clones, and dye options, such as SuperNova violet conjugates, now expanded with new infrared dyes (IR820 and IR870) for greater panel design flexibility in flow cytometry applications.



* superRCA is the trademark of Rarity Bioscience AB

Flow Cytometry

Custom Design and Manufacturing Services



LUCID*

This service enables customized production of nearly any product in our catalogue, as well as customer-supplied or third-party antibodies, tailored to specific conjugation needs and quantities. We offer large-scale manufacturing, conjugation of customer antibodies, and multicolor cocktail formulation, with all products also available in DURAClone format.



RESOURCE**

We manufacture the components for your specific test reagents under GMP conditions, according to your specifications.



Flow Cytometry Software



If you're looking for clinical analysis software to cover your routine data analysis, or a more advanced solution for your cytometry research, we have the right solution for you.



Kaluza Analysis Software

Designed to simply, efficiently and quickly analyze multicolor data.



Kaluza C Analysis Software

Purpose-built to help clinical laboratories turn critical data into meaningful patient reports.

Cytobank

Cloud-based Cytobank* software for data analysis enables comprehensive visualization and analysis of single-cell data with no need for coding knowledge:

- Integrated algorithms for dimensionality reduction, unsupervised clustering and biomarker discovery
- Built-in statistical tools and automated gating options



* For Research Use Only. Not for use in diagnostic procedures.

** For CMS/RESOURCE reagents, the customer is the legal manufacturer of the product. The customer provides the formulation of the reagent combination and bears responsibility for any legal or regulatory requirements for the finished product, including validation, product label content, intended use claims and regulatory approvals or clearances based on the product's final use.



Liquid Handling

Tip-Based Workstations

Biomek i-Series Automated Workstations

- Engineered to optimize walk-away time in labs of all sizes
- Onboard cameras provide live broadcast and on-error video capture enabling remote diagnostics and expediting service response
- Rotating gripper with unique offset finger design optimizes access to high-density decks for more efficient workflows
- Multiple color- and pattern-coded status light bar instantly alerts you to the instrument's current mode



Biomek i7 Liquid Handler

- Large deck capacity with 45 positions enables full walk-away capability for complex protocols
- Ultimate flexibility through combinations of multichannel head (96/384) and/or Span-8 pod with gripper
- Modular deck allows third-party integrations for changing workflows



Biomek i5 Liquid Handler

- Compact instrument with large deck capacity (25 positions) to enable full automation in small lab spaces
- On-deck device integrations for changing workflow needs
- Available configurations:
 - Multichannel head (96/384) with gripper
 - Span-8 pod with gripper



NEW

Biomek i3 Benchtop Liquid Handler

- 15 ANSI/SLAS-compatible labware positions, plus five flexible positions
- Pipetting range of 1-1000 μ L
- Labware gripper
- UV-C light enabled, with optional HEPA filter
- Ready for on- and off-deck integration
- Full-featured Biomek 5.5 software
- Camera-enabled error log



Products not for use in diagnostic or therapeutic procedures.

Liquid Handling

Integrated Workstations



- Transform Biomek liquid handlers into complete workflow solutions, tailored to your specific requirements
- Engineered for multi-directional connectivity through the sides, rear and even beneath the instrument
- Support integration from simple on-deck devices to complete robotic systems
- Customize your Biomek-based solution with third-party tools such as:
 - Barcode readers
 - Microplate centrifuges
 - Plate readers and imagers
 - Plate transportation devices
 - Plate washers
 - Safety and biocontainment enclosures
 - Temperature-controlled storage
 - Tube handling/capping/decapping devices
 - And many other related devices



Acoustic Dispensing



Echo Acoustic Liquid Handlers

- Non-contact, ultra-low-volume liquid transfers using sound energy
- Highly precise, fast operation with reduced cross-contamination risk
- Any-well-to-any-well transfers for complex, multi-component assays
- High-throughput liquid transfer from Echo-compatible microtiter plates
- Seamless integration with Biomek i-Series or Access Robotic Systems



Echo 525 Series Liquid Handler

- Transfers precise increments of 25 nL droplets
- Designed for use in genomic and biologic workflows
- For aqueous reagents



Echo 650 Series Liquid Handler

- Transfers precise increments of 2.5 nL
- Designed for high-throughput workflows
- Compatible with DMSO & aqueous fluids
- T Models compatible with Acoustic Sample Tubes*

* Sold by Azenta Life Sciences

Products not for use in diagnostic or therapeutic procedures.

Liquid Handling

Access Robotic Systems

- Ready-to-go robotic systems for Echo Liquid Handlers
- Modular design
- Flexible solutions for integration of 1-12 devices
- Environmental control options available



Liquid Handling Software

Biomek Automation Control Software*

It provides consistent sample handling

- Ensures identical treatment of samples in every liquid transfer and every run
- Provides absolute confidence in your data integrity



Biomek Software

- Method authoring with a point-and-click interface for easy setup

Biomek Method Launcher

- Simplified, intuitive user interface designed for operators
- Streamlines method execution for efficiency



Biomek Deck Inspection (DeckOptix™)

DART 2.0 Software

- Enables efficient data management generated by Biomek Workstations
- Supports data handling between/across methods

SAMI Workstation EX Software

- A flexible software package for complete automation and process control
- Supports a wide variety of applications



SAMI Process Management Software

- Calendar-format workflow tool for managing long processes
- Ideal for complex tasks such as cell culture, within a single visual interface

*Specific software products shown here are available for purchase as optional add-ons to the Biomek software that is provided at no additional cost with Biomek automated workstations.

Products not for use in diagnostic or therapeutic procedures.

Liquid Handling Software

Echo Automation Control Software



Applications

Plate Reformat - Quickly assemble assays using a variety of transfer functions to design custom layouts

Cherry Pick - Transfer from any well to any well using pick list files for rapid hit picking, sample pooling and more

Combination Screen - Design complex combination screening layouts

Dose-Response - Assemble dose-response curves of varying concentration ranges using direct dilution

Plate Audit - Analyze and monitor samples with acoustic analysis

Array Maker - Graphically design custom spotting patterns and formats



Tempo Automation Control Software



- Research-friendly interface for easy scheduling of Access Laboratory Workstation protocols
- Direct integration with all compatible versions of Echo Software Applications



Products not for use in diagnostic or therapeutic procedures.



Genomic Solutions

Genomic Reagents



- Our reagent portfolio leverages SPRI technology, which uses paramagnetic beads to selectively bind nucleic acids based on type and size
- This approach enables high-performance isolation, purification and cleanup workflows
- Compatible with a wide range of applications, including qPCR, ddPCR, Sanger sequencing, NGS and microarrays
- Use our chemistries with manual and/or fully automated methods on your choice of platforms, for optimum performance, flexibility and scalability

Cleanup & Purification Kits

- **AMPure XP** - Removal of primers, unincorporated dNTPs, primer dimers, salts and other contaminants
- **SPRIselect** - Fragment size selection for NGS library construction
- **RNAclean XP** - Post-reaction cDNA and cRNA cleanup
- **CleanSEQ** - Removal of Big Dye terminator and sequencing reaction contaminants

DNA Isolation Kits

- **DNAdvance** - gDNA from mammalian tissue and cells, saliva, Genotek Oragene and mouse tail
- **GenFind V3** - gDNA from whole blood, serum, mammalian tissue, cell culture, saliva, buccal swab, FTA cards, bacteria and fresh or frozen tissue
- **FormaPure XL Total** - DNA and total nucleic acid isolation from FFPE tissue
- **CosMCPrep** - Plasmid DNA from *E. coli*
- **Apostle MiniMax** - cfDNA from serum, plasma and urine

RNA Isolation Kit

- **RNAadvance Viral / RNAadvance Viral XP** - RNA from saliva or swab transport media samples
- **RNAadvance Blood** - RNA from blood (PAXgene tubes), cells and tissue
- **RNAadvance Cell v2** - RNA from mammalian cell cultures (<50K cells)
- **RNAadvance Tissue** - RNA from tissue and cells (50K to 1M cells)
- **FormaPure XL RNA** - RNA from FFPE tissues
- **Apostle MiniMax** - cfRNA from plasma and serum



Biomek i5 Nucleic Acid Solutions



Unlock efficiency with our expertise in reagent chemistry and automation

- Choose from three scalable configurations to grow with your workflow:
 - Biomek i5 Cleanup Solution
 - Biomek i5 Extraction Solution
 - Biomek i5 Advanced Extraction Solution



Products not for use in diagnostic or therapeutic procedures.



Particle Size Analysis

LS 13 320 XR Particle Size Analyzer



- Laser diffraction at the highest level for precise particle size measurement in suspensions, emulsions and powders
- Extended measuring range: 10 nm–3,500 μm
- Patented PIDS technology detects particles down to 10 nm
- High-resolution analysis with 132 detectors
- Flexible dispersion modules for suspensions (UL module) or powders (Tornado)
- Simple software for quick data evaluation in just a few clicks
- Supports 21 CFR Part 11 compliance
- Sub-visible particle counting capability



Universal
Liquid
Module



Dry
Powder
System
Module

Multisizer 4e Coulter Counter



- Coulter Principle enables particle sizing/counting with the highest resolution
- Digital Pulse Processor technology provides detailed insight into subpopulations of particle distributions
- Measuring range: 0.2 μm –1,600 μm (diameter)
- Displays number, surface and volume distributions (absolute, /mL, %)
- Dynamic range: 2–80% of capillary opening (Standard: 2–60%)
- Supports 21 CFR Part 11 compliance
- Independent of particle form, color, density and optical properties



Products not for use in diagnostic or therapeutic procedures.



Liquid Particle Counting

HIAC 9703+ Liquid Particle Counter



- Designed for GMP injectable and infusion testing
- PharmSpec software provides automatic pass/fail reporting to USP, Ph.Eur., JP, & KP standards
- Light Obscuration Testing compliant with USP <787>, <788>, <789> & Ph.Eur. 2.9.19
- Test to USP <787> with only 0.2 mL of product
- Audit trail for complete traceability
- Active Directory integration for username and password control
- Database backup and restore functionality
- Secure electronic record export via Ethernet





Cleanroom Environmental Monitoring

MET ONE Series Particle Counters



MET ONE 3400+ Portable Counter for Routine Environmental Monitoring

- Designed for GMP cleanroom routine environmental monitoring
- Enables you to upload SOP maps to reduce human error with sampling points
- Audit trail for complete traceability
- Active Directory integration for username and password control
- Secure electronic record export directly from the counter via Wi-Fi or Ethernet
- Machine Groups and Data Replication: Each MET ONE 3400+ instrument in a machine group shares configurations and sample data via a lightweight protocol, keeping all units synchronized with complete environmental monitoring data



MET ONE HHPC+ Handheld Air Particle Counter

- Designed for cleanroom applications
- Measuring range: 0.3 μm –10 μm
- Sample throughput: 2.83 L/min
- Available configurations: two, three or six channels
- Direct data download in Microsoft Excel via Ethernet or USB stick



User-Friendly Operation

SOP map uploads guide technicians with ease, while handheld units enable hassle-free Microsoft Excel export. Wall-mount options offer a simple set-and-forget solution for clutter-free workflows.

Safety & Compliance Benefits

Ensures GMP traceability with audit trails, secure role-based access, standardized data export, and continuous monitoring compliant with ISO/GMP standards.



MET ONE Cleanroom Monitoring System

- Wall-mount air particle counters for continuous cleanroom monitoring
- Measures 0.3, 0.5 and 5 μm
- Optional integral sampling pump
- Power options: 24V DC or 100–230V AC



Cleanroom Environmental Monitoring

WFI & PW Water Quality



PAT700 Total Organic Carbon & Conductivity Analyzer

- Designed for reagent-free Total Organic Carbon (TOC) analysis in Purified Water and Water for Injection
- Endpoint detection ensures full oxidation of organic matter
- Discriminates between Total Inorganic Carbon & TOC
- Reports TOC, conductivity (uncompensated) and temperature for online monitoring to USP <643>, <645> and Ph. Eur. 2.2.44
- 12-month service interval
- Main and standby auto-switching UV lamps
- Active Directory integration for username and password control
- Automatic secure electronic record and audit trail export via Ethernet (daily)
- Built-in System Suitability Test SOP routine with automated data entry and pass/fail calculation



QbD1200+ TOC Analyzer

- Fully adheres to global pharmacopeia standards: USP, JP, Ph.Eur., IP, KP & ICH
- Simplified IQ/OQ/PQ qualification routine aligned with ICH guidelines
- Digital NDIR technology autocorrects drift for long-term accuracy
- Minimizes sample-to-sample carryover for consistent results
- Supports 21 CFR Part 11 compliance for secure electronic records
- On-demand and automated self-health checks for proactive maintenance
- Guided visuals for easy validation and upkeep
- Auto-range and auto-dilution for highly concentrated samples





Service and Support

Our service teams of highly trained experts can help keep your instruments—and lab—running at peak performance.

From flexible service plans to remote solutions and more, you can count on us to be there when you need us.

For more information, scan the QR code or contact your local Beckman Coulter Life Sciences service representative.



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