



BD FACSMelody™ Cell Sorter

Unlock the full potential of your lab with
an easy to use 4-way automated cell sorter



BD FACSMelody™ Cell Sorter

High-Quality flow cytometry sorting that is easy to learn, use and maintain. Experience the versatility, quality, and convenience you deserve with smart automation.

Enable discoveries and get your next breakthrough moment faster.



Trusted Partner:

Supported by over 45 years of flow cytometry expertise.



Drive lab efficiency and productivity:

Save time and cost with simplified operation and maintenance through smart automation and system tracking and error prediction with BD FACSCorus™ software.



Access flexible sorting:

4-way 1.5, 2.0, 5mL tubes, index sorting and additional format options including one-way sorting for 6,24,48,96, 384-well plates, and slides.



Easy to learn and use:

With an intuitive software, the BD FACSCorus™ enables cell sorting at all skill sets.



Expand experimental power:

Obtain insights on cell populations and expand your applications including immunophenotyping (up to 9C panels) and single cell multiomics streamlined workflow.

Want to see if the
BD FACSMelody™
fits in your lab?



Proven to drive research through a wide array of applications



Backed by over 1,700 citations to date*, the BD FACSMelody™ System enables you to go beyond your current research potential.

*Google Scholar™: https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=FACSMelody&btnG=-; Accessed December 2023. Search Criteria: FACSMelody.

Stem Cell Research

- The Intercellular Communication Between Mesenchymal Stromal Cells and Hematopoietic Stem Cells Critically Depends on NF-κB Signaling in the Mesenchymal Stromal Cells.
Stem Cell Reviews and Reports. Published online 2022 Mar 26, LINK (DOI:10.1007/s12015-022-10364-6)
- Targeted gene silencing in human embryonic stem cells using cell-penetrating peptide PepFect 14.
Stem Cell Research and Therapy. Published online 2019 Jan 24, LINK (DOI:10.1186/s13287-019-1144-x)
- The Coordinated Activities of nAChR and Wnt Signaling Regulate Intestinal Stem Cell Function in Mice.
Int J Mol Sci. Published online 2018 March 5, LINK (DOI:10.3390/ijms19030738)
- Bone Morphogenetic Protein 9 Regulates Early Lymphatic-Specified Endothelial Cell Expansion during Mouse Embryonic.
Stem Cell Differentiation Stem Cell Reports. Published online 2018 Dec 27, LINK (DOI:10.1016/j.stemcr.2018.11.024)

Immunology

- Self-Tolerance of Vascular Tissues Is Broken Down by Vascular Dendritic Cells in Response to Systemic Inflammation to Initiate Regional Autoinflammation.
Frontiers in Immunology. Published online 2022 Jan 26, LINK (DOI:10.3389/fimmu.2022.823853)
- Aberrant Expressions of Co-stimulatory and Co-inhibitory Molecules in Autoimmune Diseases.
Frontiers in Immunology. Published online 2019 Feb 20, LINK (DOI: 10.3389/fimmu.2019.00261)
- Preferential Identification of Agonistic OX40 Antibodies by Using Cell Lysate to Pan Natively Paired, Humanized Mouse- Derived Yeast Surface Display Libraries.
MDPI. Published online 2019 Feb 12, LINK (DOI: 10.3390/antib801017)
- The CD4-CD8- MAIT cell subpopulation is a functionally distinct subset developmentally related to the main CD8+ MAIT cell pool.
Proc Natl Acad Sci U S A. Published online 2018 Dec 4, LINK (DOI: 10.1073/pnas.1812273115)
- Differential induction of interferon stimulated genes between type I and type III interferons is independent of interferon receptor abundance
PLoS Pathog. Published online 2018 Nov 28, LINK (DOI: 10.1371/journal.ppat.1007420)
- Persistent Replication of a Chikungunya Virus Replicon in Human Cells Is Associated with Presence of Stable Cytoplasmic Granules Containing Nonstructural Protein 3.
J Virol. Published online 2018 July 31, LINK (DOI: 10.1128/JVI.00477-18)
- Characterization and functional analysis of novel circulating NK cell subpopulations.
International Immunology. Published online 2019 March 12, LINK (DOI: 10.1093/intimm/dxz027)

Single-cell Research and Multi-omics

- A single-cell multiomics approach to study tumor-driven perturbations during hematopoiesis in mice.
Journal of Immunology. Published online 2020 May 01, LINK (DOI: 10.4049/jimmunol.204Supp.223.22)
- Spatial control of in vivo CRISPR-Cas9 genome editing via nanomagnets.
Nature Biomedical Engineering volume 3. Published online 2018 Nov 12, LINK (DOI: 10.1038/s41551-018-0318-7)
- Multiplexed RNAi therapy against brain tumor-initiating cells via lipopolymeric nanoparticle infusion delays glioblastoma progression.
Proc Natl Acad Sci U S A. Published online 2017 July 25, LINK (DOI: 10.1073/pnas.1701911114)
- Chromosomal scan of single sperm cells by combining fluorescence-activated cell sorting.
J Assist Reprod Genet. Published online 2018 Nov 09, LINK (DOI: 10.1007/s10815-018-1340-0)

Microbiology

- Ecological, physiological and life-history traits correlate with genome sizes in decapod crustaceans. *Frontiers in Ecology and Evolution*. Published online 2022 Aug 04. LINK (DOI: 10.3389/fevo.2022.930888)
- SpiAMT1d: molecular characterization, localization, and potential role in coral calcification of an ammonium transporter in *Stylophora pistillata*. *Coral Reefs*. Published online 2022 April 13, LINK (DOI: 10.1007/s00338-022-02256-5)
- Genomic insights into diverse bacterial taxa that degrade extracellular DNA in marine sediments. *Nature Microbiology*. Published online 2021 June 14. LINK (DOI: 10.1038/s41564-021-00917-9)

Yeast

- Multiplexed on yeast serological assay for immune escape screening of SARS-CoV-2 variants. *iScience*. Published online 2023 May 19. LINK (doi.org/10.1016/j.isci.2023.106648)
- Apparent diameter and cell density of yeast strains with different ploidy. *Nature Scientific Reports*. Published online 2023 Jan 27. LINK (doi.org/10.1038/s41598-023-28800-z)
- Direct Evolution of Herbicide Biosensors in a Fluorescence- Activated Cell-Sorting Compatible Yeast Two Hybrid Platform. *ACS Synth. Biol.* Published online 2022 Aug 3. LINK (doi.org/10.1021/acssynbio.2c00297)
- A bimolecular Fluorescence complementation flow cytometry screen for membrane protein interactions. *Scientific Reports*. Published online 2021 Sept 28. LINK (doi.org/10.1038/s41598-021-98810-2)



BD Technical Service is your partner for performance

BD Service teams enable you to better service your customers and research partners. You can count on our deep knowledge and expertise to help ensure your BD FACSMelody™ cell sorter delivers expected, timely results.

Maximise uptime:

At BD, we understand the cost and consequences of unexpected downtime. We are committed to maximising your system uptime to make sure you keep your promises. Customers under service plans get priority service.

- Preventive maintenance
- Remote service capability
- Responsive onsite repair



Peace of mind:

No more wondering how and when your instrument will be repaired. Rest assured knowing you have access to BD service professionals when it matters most.

- Telephone and email support
- Text/Chat/App support
- Local field service expertise



Predictable expense:

Protect your budget from unexpected costs. Our service plans fee covers your corrective and maintenance-related service needs when and how your laboratory needs it. Telephone and email support.

- No hidden charges
- Extend your service warranty
- Multi-year contracts available



Support

- Application team
- Service team
- Local sales
- BD FlowJo™ Software
- Remote Support Service (RSS) with BD Assurity Link™ Software



Data analysis

- Integrated with BD FlowJo™ Software for data analysis



Reagents

- Compatible with many of the BD Horizon Dye



eCommerce

- Offers a rich online buying experience



Options

- Sample temperature control
- Class II Type A2 biological safety cabinet (BSC)
- Aerosol Management Option (AMO) for systems without BSC
- Instrument table

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The combination of ease of use with high performance



The right instrument is needed for the best results



Simplicity, affordability, and quality are key



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