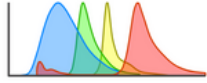


Meet the Cell Sorters

The Emory Pediatrics/Winship Flow Cytometry Core offers cell sorting services through 2 cell sorters with different capabilities



Cytex Aurora CS Cell Sorter



Spectral technology

Captures full spectral profiles of fluorophores, uses all detectors with spectral unmixing for analysis, and offers flexibility for complex or overlapping signals compared to conventional flow cytometry



High speed sorting

High-speed sorting and multiple nozzle sizes including 70, 85, 100, and 130 μm



Flexible sorting

6-way sorting with 1.5 ml collection tubes
4-way sorting with 5 ml collection tubes
2-way sorting with 15 ml collection tubes with 70, 85, 100, and 130 μm nozzles

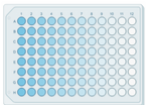


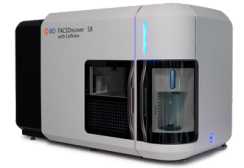
Plate sorting

96- or 384-well plates with the option to perform index sorting with any nozzle size

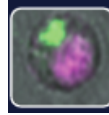
Flow Core website



ISAC RECOGNIZED
Shared Resource Laboratory



BD FACS Discover S8 Cell Sorter



Spectral + Imaging technology

Combines spectral flow cytometry with real-time spatial and morphological insights, enabling simultaneous analysis, sorting, and visual confirmation of cell populations and characteristics



Image-based sorting

Produces images without a camera, enabling real-time imaging for analysis and sorting (not high-speed)



Flexible sorting

85- μm nozzle - 6-way sorting with 1.5 or 5 ml tubes
100- μm nozzle - 4-way sorting with 1.5 or 5 ml tubes
130- μm nozzle - 2-way sorting with 5 ml tubes

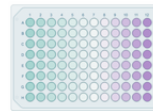
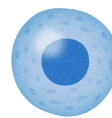


Plate sorting

96- and 384-well plates and slides with the option to perform image-based index sorting with 100 or 130 μm nozzles



Imaging features

Imaging can be used alone or while sorting to analyze single-cell features



If you have any questions or inquiries, contact the flow core: ajrae@emory.edu