

# **BD FACSMelody**



## **General Information**

The BD FACSMelody™ cell sorter makes the complex world of flow cytometry and sorting accessible to more researchers, enabling deep scientific insights and lab efficiency.

The sorter is equipped with three lasers (405nm-488nm-561nm) that can detect up to 8 different colors (see the below chart).

Samples are acquired using the BDFACSCorus software and pulse processing (height, width and area) can be measured on all the parameters.

Samples are saved as FCS3.1 files.

A custom-tailored biosafety cabinet for the BD FACSMelody was designed in collaboration with The Baker Company, a leader in biosafety solutions.

## Lasers and Configuration

# FACSMelody Sorter

Laser	Filter	Fluorochrome
Violet 405nm	448/45 528/45	BV421, BV450, Dapi, PacificBlue, eFluor450, Hoechst, CFP, BFP BV480, BV510, V500, Krome Orange
Blu 488nm	527/32 700/54	FITC, BB515, Alexa488, CFSE, GFP, YFP, Colver PerCP-Cy5.5, PI
Yellow 561nm	582/15 613/18 697/58 783/56	PE,Cy3, TagRFP, DsRedExpress, tdTomato PI, mCherry, Pe-TxRed, PE-Cy5.5 PE-Cy7

## Nozzles available and Pression:

NOZZLE	PRESSION
100um	22 PSI

## Sample Format

Manual port	5 ml Sterile Polypropylene Round-Bottom Tubes (FALCON 352063)
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### Collection criteria

<b>Collection support</b>	<b>Way sorting</b>
1,5 ml or 2ml Eppendorf tubes	Sorts up to 2 different populations at the same time
5 ml tubes	Sorts up to 2 different populations at the same time
microtiter plates (48-96 and 384 wells)	Sorts 1 population
Microscope slides	Sorts 1 population