

BD FACSAria™ IIIu Configuration

Features

The BD FACSAria™ IIIu is a multicolor cell sorter, equipped with 4 lasers -blue (488 nm), yellow- green (561 nm), red (633 nm) and violet (405 nm)- and 13 detectors to measure up to 12 colors simultaneously. The BD FACSAria™ sorter is able to sort up to four populations simultaneously.

Software

BD FACSDiva™ Version 8.0.2

Input and Collection Devices

Sample Collection Devices

Two-way sorting: 12x75 mm or 15 ml tubes

Four-way sorting: 12x75 mm or 1.5 ml tubes

Automated cell deposition unit:

6/24/96 well-plates, microscopy slides





Sample Input Sizes

Microtubes, 12x75 mm or 15 ml tubes

Temperature Control

Sample input software-adjustable to 4°C, 20°C, 37°C or 42°C

Standard Configuration

Laser	Fluorescent Channel /Filter	BD Channel Names	Commonly used Fluorochromes
 405 nm	450/40	D	DAPI, Pacific Blue, BV421, Cerulean, eFluor450, AlexaFluor405
	530/30, 505 LP	C	AmCyan, BV510, CFP, V500
	616/23, 556 LP	B	BV605
	780/60, 735 LP	A	BV786
 488nm	488/10	C	SSC
	530/30, 502LP	B	FITC, GFP, YFP, CFSE, BB515, AlexaFluor488
	694/40, 655LP	A	PerCP-Cy5.5
 561nm	582/15	D	PE, DsRed, Cy3, RFP, tdTomato
	610/20, 600LP	C	PE-Texas Red, PI, mCherry, Rhodamine Red
	670/14, 630LP	B	PE-Cy5, PerCP, PerCP-Cy5.5, Tricolor
	780/60, 735LP	A	PE-Cy7
 640 nm	660/20	C	APC, AlexaFluor647, Sytox Red
	780/60, 735LP	A	APC-Cy7, APC-H7