

BD FACSCelesta1



General Information

The BD FACSCelesta is a high-speed, multi-color, digital analyzer.

The FACSCelesta 1 is equipped with three lasers (405nm-488nm-635nm) that can detect up to 12 different colors (see the below chart).

Samples are acquired using the BDFACSDiva 8.0.1.1 software and pulse processing (height, width and area) can be measured on all the parameters.

Samples are saved as FCS3.0 and FCS3.1 files.

Lasers and Configuration

FACSCelesta Configuration **2IEO** 4-Blue 3-Red 5-Violet

Laser	Filter	Fluorochrome
Violet 405nm	<i>E</i> 450/40 <i>D</i> 525/50 <i>C</i> 610/20 <i>B</i> 670/30 <i>A</i> 780/60	BV421 , BV450, Dapi, PacificBlue, eFluor450, Hoechst, CFP, BFP BV510 , BV480, V500, Krome Orange BV605 BV650 BV786
Blu 488nm	<i>D</i> 530/30 <i>C</i> 575/26 <i>B</i> 695/40 <i>A</i> 780/60	BB515 , FITC, Alexa488, CFSE, GFP, YFP, Colver PE , PKH26 PerCP-Cy5.5 , PE-Cy5.5, PI PE-Cy7 , SubG1 (PI Log)
Red 635nm	<i>C</i> 670/30 <i>B</i> 730/45 <i>A</i> 780/60	APC , Alexa647, Cy5 APC-R700 , Alexa700 APC-Cy7 , APC-H7

NOTE: You **CAN** acquire **IN THE SAME TIME** PE-Cy7 and PercP-Cy5.5
 Remeber to check the filter and change it in according to the fluorochrome used
 You **CAN NOT** acquire **RED** Fluorescent Protein (mCherry, TagRFP, tdTomato) and Cy3

Sample Format

Manual port	5 ml Polystyrene Round-Bottom Tubes (FALCON 352052)
-------------	---