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BD LSR II

Multilaser multiparameter analysis cytometer

Four lasers, 12 colors

Digital data collection using FACS DIVA software

Automatic compensation (compensation controls are still needed)

355 nm (UV) : Indo-1, DAPI, Alexa Fluor 350

405 nm (Violet) : CFP, Alexa Fluor 430, Pacific Blue, Marina Blue, Alexa Fluor 405

488 nm (Blue) : FITC, PE, PerCP, Pe-Cy5 (aka CyChrome), PI, PerCp-Cy5.5, PE-Cy7, GFP, PE-Texas Red

633 nm (Red): APC, APC-Cy7, Alexa Fluor 647, Alexa 680

Availability of UV gives a capability to perform Ca²⁺ flux experiments.

Unlike a FACSCalibur, it is possible to use PE-Cy5 and APC together.