

## General Sorting Information

Machine	Aria II (BSL-2 and BSL-2 <sup>+</sup> )	Sony SH800	BSL-3 FACS Aria	MoFlo	DV-1
Laser wavelength	488/633/405/561 (350-BSL2 Aria only)	488/633/405/ 561	488/633/405/350	488/633/405	488/633/350
Nozzle sizes (µm)	70/85/100/130	70/100	70/100	70	80
Cell Concentration	1-2 x10 <sup>7</sup>	1-2 x10 <sup>7</sup>	1-2 x10 <sup>7</sup>	1-2 x10 <sup>7</sup>	1-2 x10 <sup>7</sup>
Sort Rate	1,000-25,000 cells/second	1,000-5,000 cells/second	1,000-25,000 cells/second	1,000-30,000 cells/second	1,000-12,000 cells/second
Operating Pressure (psi)	70/45/20/10	20	70/20	60	30

Running media - 1% FBS in any phenol-red-free media. HEPES can be added at a final concentration of 25mM to media to keep cells well buffered for all-day sorts, and/or to collection media.

Collection media - this is usually 20% FBS in whichever media the cells are happiest. This is diluted 4-5x and ends up being approximately 5% FBS.

Collection plates: bring plates for collection with media pre-loaded in the wells. Do not fill wells above 1/2 maximum capacity to avoid spilling.

Filtering : All samples are filtered through 37µ mesh prior to running by core facility personel, however if you wish to filter the samples yourself refer to the ordering information below.

Sterile 12x75 mm tubes with filter caps are available; Becton Dickinson Cat. number 352235 or Fisher Cat. number 08-771-23

Nitex Nylon Filtration Mesh order from: ELKO Filtering Co, LLC. [www.elkofiltering.com](http://www.elkofiltering.com) (Nylon 6/6 solid mesh roll 37µ opening size, 40" wide x 36" long) Item#: 03-37/24