

AEROSOL CONTAINMENT/MANAGEMENT FOR CONTROLLING BIOHAZARDS FOR HIGH-SPEED CELL SORTERS

As the risks of cell sorting biohazard is well known, each manufacturer has a recommended containment option, usually an attachment or an enclosure, that can be utilized for the confinement of biohazards. The cell sorting manufacturer also likely has a testing methodology that they can also share with clients who have purchased or are interested in purchasing their sorters. Examples of aerosol management systems or biocontainment enclosures for cell sorters are included below.

Portable Exhaust HEPA filtered fan units (Aerosol Management Systems)

- [Buffalo Filter VisiClear Surgical Smoke Evacuator](#) (This size recommended by Sony for their sorters)
- [Buffalo Filter PlumeSafe Smoke Evacuation System](#)
- [Buffalo Plumesafe Whisper 602 Smoke Evacuator](#)

Class I Biosafety Cabinet Enclosures (Flexible Film Isolator)

- [bioBUBBLE Benchtop-Biocontainment enclosure for cell sorters](#)

Class I and Class II Biological Safety Cabinet Enclosures for Cell Sorters

- [Sony SH800S Cell Sorter](#)
- [Baker BioPROTECT Series](#)
- [NuAire NU-L125 Class II Type A2
Labconco Logic Vue II Enclosures](#)

Again, please consult the manufacturer of the sorter you wish to purchase and ask for their recommendation of a biohazard containment or aerosol containment option for their machine. They should also be able to provide you with a test protocol for validating containment if proposed for use with human cells or other biohazards.