

BIOHAZARD RISKS ASSOCIATED WITH CELL ANALYZERS

Although they are not operated with the same pressures as high-speed cell sorters, cell analyzers can generate droplets that could contaminate the instrument, the immediate area, the hands of the researchers and nearby equipment. This may be related to the speed of transferring tubes, or the work practices of the operator. Though the amount of aerosols are lower, aerosols were still recovered during air sampling using a cell analyzer with the use of dragon green fluorescent beads.

The article below outlines the results of a study evaluating cell analyzers along with recommendations for protection of staff using cell analyzers with unfixed biohazards.

[*Risk awareness during operation of analytical flow cytometers and implications throughout the COVID-19 pandemic \(Aspland et al, Cytometry Part A\)*](#)

Please notify Yale EHS Biosafety for an assessment of your cell analyzing risks and for assistance with biosafety precautions and risk management standard operating procedures.