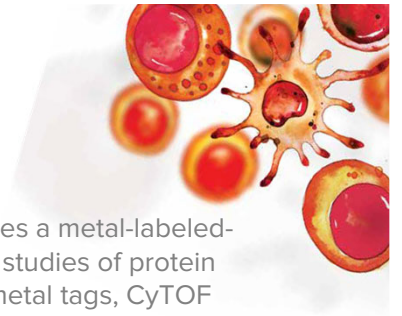
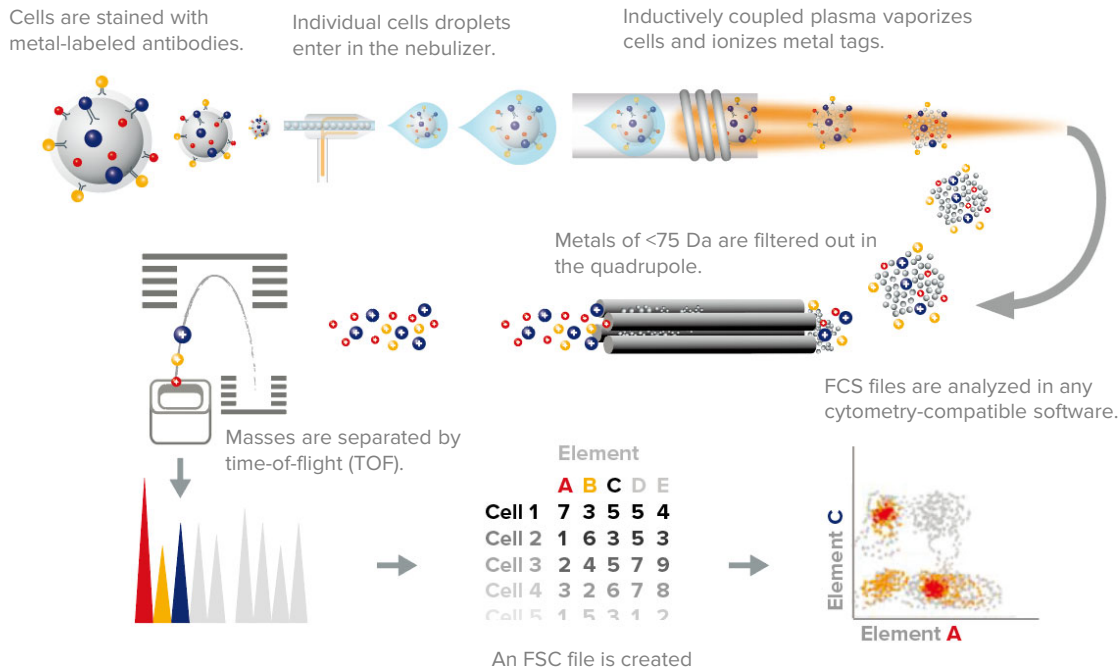


CyTOF[®] Technology



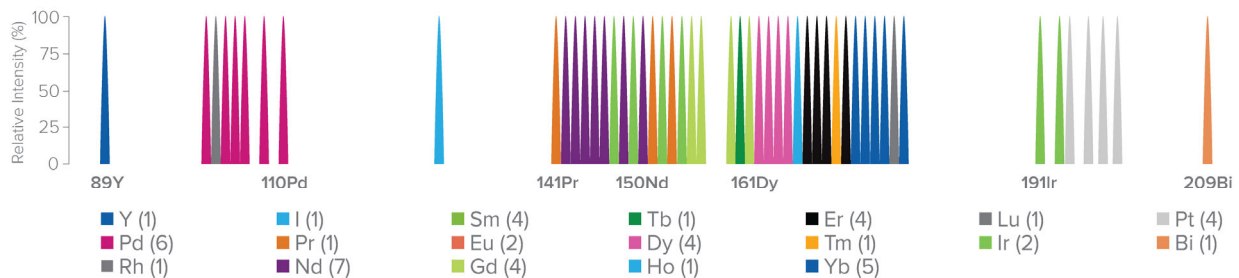
Helios™ CyTOF[®] (cytometry-by-time-of-flight) technology is a platform that uses a metal-labeled-antibody-mediated approach to enable high parameter and high throughput studies of protein expression in individual cells. By using antibodies labelled with highly pure metal tags, CyTOF technology overcomes the inherent spectral overlap of fluorescence-based antibody detection.

How mass cytometry works



CyTOF technology results in separate and distinct peaks

Highly pure, rare metal isotope labels that minimize background



Metal tag spectra are based on mass. Because of the sensitivity of mass cytometry, even neighboring isotopes can be readily resolved. This separation enables the routine use of many more metal tags in multiplex experiments without signal overlap, as compared to fluorescent dyes.

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