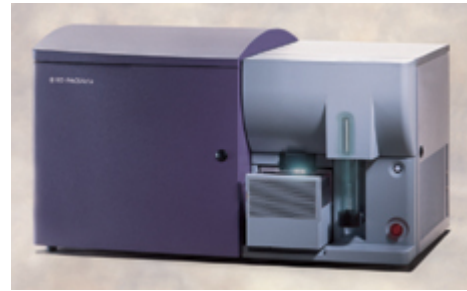


# BD FACSAria



The BD FACSAria is a flow cytometer that lies at the top level of present-day technology. It allows the analysis as well as the sorting of cells in suspension. The FACSAria provides an entirely revised optical system which permits a better resolution and a more sensitive detection of the various signals. Gathered data are analysed very rapidly by the use of a digital electronic system. Moreover, spectral compensations between all fluorescent signals can be adjusted automatically by the action of a software called DiVa.

The FACSAria is equipped with 3 lasers making it possible to detect up to 12 parameters and to excite 10 fluorescent dyes:

- 488 nm : 7 detectors (light scattering + 5 fluorescent dyes)
- 633 nm : 3 detectors
- 405 nm : 2 detectors

In the sorter mode, it offers the following options:

- one- to four-way bulk sorting
- sorting to plates
- sorting to microscope slides
- samples to be sorted in 1, 5 or 15 ml round bottom tubes
- collection tubes consisting of 1, 5 or 15 ml round bottom tubes
- adjustable temperature of input sample tubes (4, 20, 37 or 42 °C)
- adjustable temperature of collection tubes (from 2 to 50 °C)
- nozzle sizes of 70 and 100 µm
- sorting under various sheath pressures depending on the size and fragility of the cells

Our cytometer is equipped with the Aerosol Management System which aspirates any aerosol generated during the sorting process.