



FLOW CYTOMETER

(mod. Attune NxT Acoustic Focusing Cytometer 1L Blue)

VENDOR: THERMOFISHER SCIENTIFIC SRL

YEAR OF ACQUISITION: 2023

SUPERVISING FACULTY MEMBER: Prof. Simona Bertonì

Technical features:

- Four fluorescence channels (530/574/695/780 nm).
- Cleaning and centering of the cell image in the field of view is obtained by the Acoustic Focusing technology.
- Sample throughput rates up to 1000 $\mu\text{l}/\text{min}$.
- Acquisition speed of 35,000 events/sec.
- Control pressure at 75 psi.

Applications:

- Analysis and count of cells in suspension.
- Quantifications of cells sub-populations based on physical properties and fluorescent labels attached to specific proteins.

Acquired for the Department of Excellence MUR 2023-2027