



## **FLOW CYTOMETER**

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

**VENDOR:** THERMOFISHER SCIENTIFIC SRL

**YEAR OF ACQUISITION:** 2023

**SCIENTIFIC SUPERVISOR:** Prof. Simona Bertoni

### **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***