



MILLIFLUIDIC PLATFORM

(mod. IV Tech)

VENDOR: TWIN HELIX SRL

YEAR OF ACQUISITION: 2023

SUPERVISING FACULTY MEMBER: Prof. Sara Nicoli

Technical features:

- Programmable peristaltic pump.
- Compact pressure modulator.
- Double-flow configuration.
- Cells for cellular growing and tissue perfusion, reusable after sterilization.

Applications:

- Study of the permeation and retention of drugs through *in vitro* and *ex vivo* models, both in static and dynamic biorelevant conditions.
- Real time visualization of cells and tissues.

Acquired for the Department of Excellence MUR 2023-2027