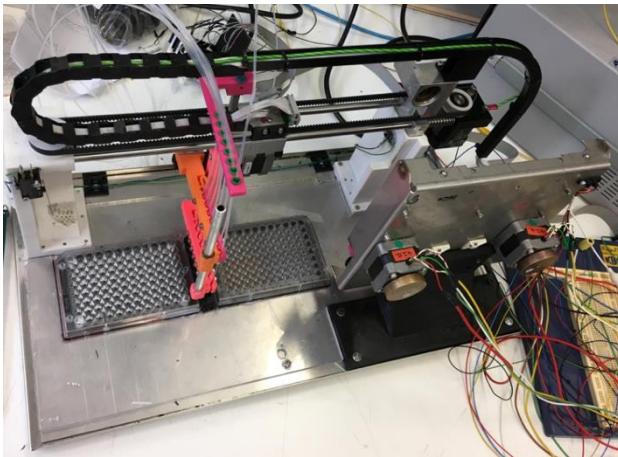


MuROB (Multi Well Robot-operating Organ Bath)

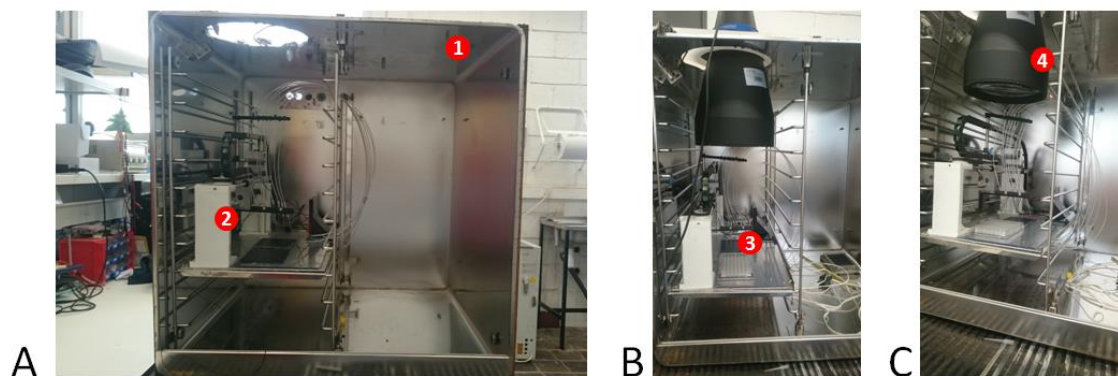
Liquid delivering system to operate with MuWOB (see this in this web).

MuROB is currently on development. It will be placed in an incubator with temperature and CO₂ controlled in a water-saturated atmosphere. The system operates a robotic arm for liquid handling. Eight glass micro-syringes (Hamilton®) are used for applying drugs from a reservoir 96-wells plate to the target plate. The system has a precision of 1 µL and can be programmed for operating sequential protocols, including rinses and purge.

The system is managed using a LabView® platform.



Liquid handling robot



Actual state of the system. (1) The incubator has been designed to accommodate a drawer on the left to place the robot (2) and to leave room on the right to accommodate the liquid reservoirs. The MuWOB plates (3) are situated under the bi-telecentric objective (4) for monitoring organ contraction.

