

CANSInject.

A system for drug application for perfused tissues. It uses 4 syringes driven by a step motor.

We developed this system because we needed a way to apply repetitive precision microliter bolus of secretagogues directly to perfused/perifused tissues. The system is still in construction. CANSInject consist in four Hamilton® syringes coupled to a step motor to produce 10-100 μ L of secretagogue, which enters directly into the perfused organs. It can work either manually or by a TTL signal from a computer. We have integrated the CANSInject with the CANSTAT-4 potentiostat.

All plastic pieces were made with a 3D printer. STL archives, electronic circuits and hardware metal pieces can be provided upon request.

