Using a Micropipettor

Parts of a micropipettor

- volume adjustment wheel
- thumb button
- tip ejector button
- barrel where tips are attached

Proper way to draw and expel liquids

Test calibration of micropipettor

1. Pipet 10µl of water with P10 into a weighboat on an electronic balance. The balance should show 10 mg. Dry weighboat, re-tare on balance, and repeat. Record all weights.

2. Pipet 100µl of water with P100 into a weighboat on an electronic balance. The balance should show 100 mg. Dry weighboat, re-tare on balance, and repeat.

3. Pipet 500µl of water with P1000 into a weighboat on an electronic balance. The balance should show 500 mg. Dry weighboat, re-tare on balance, and repeat.

If averaged weight values are off by more than 10%, the pipettor may need recalibration, or your technique is poor.