**Guidelines for pulling glass needles**

*Equipment needed:*

- Gravity needle puller
- Capillary tubes (3” in length 1.0mm in diameter)
- Petri dishes
- Tape

*Settings:*

For embryo needles: heat 15 solenoid position 1

For fin injection needles: heat 14 solenoid position 4

Line the top of the capillary tube up with the top of the needle pulling machine.

Ensure that the safety lock is disengaged before pulling the needle.

Place a loop of tape in a Petri dish and affix pulled needles to the tape.