

P-30 VERTICAL MICROPIPETTE PULLER



FEATURES P-30

- Pulls electrodes with tip diameters down to 0.3 μm , consistently and reliably
- A micrometer allows precise reproducibility of trip point settings in producing fine microelectrodes
- Full three digit digital controls for accurate setting of heat and pull values
- Constant current power supplies for filament and pull solenoid
- Enclosed front to reduce variability caused by drafts
- Dual (manually) switched heat settings for patch pulling or two different types of micropipettes
- All working parts are made from corrosion resistant material
- Two heating assemblies available: platinum/iridium (recommended) or Nichrome coil
- Built-in RFI filter and dual voltage/dual frequency operation
- Rubber padded jaws to minimize breakage of capillary tubing
- Designed to take up minimal bench space
- Slope of the front panel aids in preventing glass from entering cabinet/solenoid mechanism



The model P-30 vertical micropipette puller is designed for the fabrication of basic micropipettes and patch-type pipettes. It will pull micropipettes with tip diameters as small as 0.3 μm and moderate taper lengths (6 mm to 10 mm). By using an included patching attachment, the P-30 will pull a patch-type pipette. But, for those needing very short tapers, high cone angles, and advanced reproducibility, one should consider the P-97 or the P-1000 micropipette pullers. Using thin or standard walled capillaries, the P-30 will generate suitable pipettes for microinjection studies. The P-30 is also ideal for student laboratories and other situations which call for an economical, reliable pipette pulling device.

The P-30 is available with either a platinum/iridium or a Nichrome filament. The Nichrome filament is suitable for many applications and is not prone to damage. The platinum filament is more efficient at heating and cooling, and, although it is more prone to damage than the Nichrome filament, the platinum filament is recommended for thick wall and aluminosilicate glass and applications requiring shorter taper lengths.



COMMON APPLICATIONS P-30

- C. elegans
- Xenopus
- Drosophila microinjection

SPECIFICATIONS P-30

- **Dimensions** 18 in x 10 in x 9 in
46 cm x 25 cm x 23 cm
- **Weight** 35 lbs
16 kg
- **Electrical** 115/230 Volts
50/60 Hertz power line



P-30

U.S. prices available at www.sutter.com. International prices vary by country. Contact a distributor or Sutter Instrument for a quotation. Prices subject to change without notice.

- **P-30/P** Vertical micropipette puller with platinum/iridium filament
- **P-30/N** Vertical micropipette puller with Nichrome filament

Each puller comes with a sample box of BF100-50-10 glass, and manual. The P-30/P also comes with an additional filament.



ACCESSORIES P-30

- **PF30T15** 1.5 mm wide trough filament
- **PF30T20** 2.0 mm wide trough filament
- **PF30T30** 3.0 mm wide trough filament
- **PF30N¹** Nichrome filament (3 turns)
- **PF30N-4¹** Nichrome filament (4 turns)
- **P-30-NFL/M²** Nichrome filament block assembly
- **P-30-PFL/M²** Platinum/iridium filament block assembly
- **PET** Pipette examining tile
- **BX10³** Pipette storage box (holds 10)
4 3/4 in x 3 5/8 in x 3/4 in
- **BX20³** Pipette storage box (holds 20)
7 in x 3 5/8 in x 3/4 in

¹ P-30/N pullers (serial number lower than P-30-680) came with a P30N filament installed. You can now select either the P30N or P30N-4 filament. With the P30N-4 you can 1) use lower heat settings, 2) pull longer tapers (2-3 cm) and 3) use aluminosilicate glass. If you need to pull very short tapers, the P30N is recommended.

² Only necessary when changing filament configuration

³ Minimum order of any 2 boxes