



Sutter Instrument Company Technical Tip

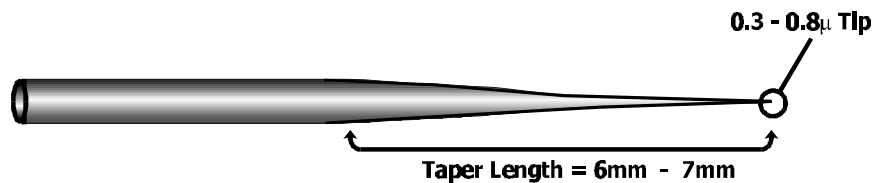
How to Make a Micropipette For Pronuclear Injection

Goal: Using thin-walled filamented glass, create a microinjection needle with a 6mm to 7mm taper and a 0.3 to 0.8 μ tip

Puller: Sutter Flaming/Brown P-87 or P-97 Micropipette Puller

Filament: 2.5mm x 2.5mm box filament (FB255B)

Glass: Borosilicate w/ Filament (BF100-78-10)
1.0mm OD x 0.78mm ID



Parameter Settings: Install one of the following programs:

<u>P-97</u>	<u>Heat</u>	<u>Pull</u>	<u>Vel</u>	<u>Del</u>	<u>Pressure</u>
	Ramp	50	80	90	200

<u>P-87</u>	<u>Heat</u>	<u>Pull</u>	<u>Vel</u>	<u>Time</u>	<u>Pressure</u>
	Ramp + 5	50	80	200	200

(or)

Ramp + 15	105	70	150	200
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To Create a Smaller Tip

Increase the Pull
Decrease the Time/Del
Increase the Heat

To Create a Larger Tip

Decrease the Pull
Increase the Time/Del
Decrease the Heat

* In Five Unit Increments *

Please contact Sutter Instrument Company Technical Support for additional assistance.

Sutter Instrument Company

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