Warranty

WPI (World Precision Instruments, Inc.) warrants to the original purchaser that this equipment, including its components and parts, shall be free from defects in material and workmanship for a period of 30 days from the date of receipt. WPI's obligation under this warranty shall be limited to repair or replacement, at WPI's option, of the equipment or defective components or parts upon receipt thereof f.o.b. WPI, Sarasota, Florida U.S.A. Return of a repaired instrument shall be f.o.b. Sarasota.

The above warranty is contingent upon normal usage and does not cover products which have been modified without WPI's approval or which have been subjected to unusual physical or electrical stress or on which the original identification marks have been removed or altered. The above warranty will not apply if adjustment, repair or parts replacement is required because of accident, neglect, misuse, failure of electric power, air conditioning, humidity control, or causes other than normal and ordinary usage.

To the extent that any of its equipment is furnished by a manufacturer other than WPI, the foregoing warranty shall be applicable only to the extent of the warranty furnished by such other manufacturer. This warranty will not apply to appearance terms, such as knobs, handles, dials or the like.

WPI makes no warranty of any kind, express or implied or statutory, including without limitation any warranties of merchantability and/or fitness for a particular purpose. WPI shall not be liable for any damages, whether direct, indirect, special or consequential arising from a failure of this product to operate in the manner desired by the user. WPI shall not be liable for any damage to data or property that may be caused directly or indirectly by use of this product.

Claims and Returns

• Inspect all shipments upon receipt. Missing cartons or obvious damage to cartons should be noted on the delivery receipt before signing. Concealed loss or damage should be reported at once to the carrier and an inspection requested. All claims for shortage or damage must be made within 10 days after receipt of shipment. Claims for lost shipments must be made within 30 days of invoice or other notification of shipment.

Please save damaged or pilfered cartons until claim settles. In some instances, photographic documentation may be required. Some items are time sensitive; WPI assumes no extended warranty or any liability for use beyond the date specified on the container.

• WPI cannot be held responsible for items damaged in shipment en route to us. Please enclose merchandise in its original shipping container to avoid damage from handling. We recommend that you insure merchandise when shipping. The customer is responsible for paying shipping expenses including adequate insurance on all items returned.

• Do not return any goods to WPI without obtaining prior approval and instructions (RMA#) from our returns department. Goods returned unauthorized or by collect freight may be refused. The RMA# must be clearly displayed on the outside of the box, or the package will not be accepted. Please contact the RMA department for a request form.

• Goods returned for repair must be reasonably clean and free of hazardous materials.

• A handling fee is charged for goods returned for exchange or credit. This fee may add up to 25% of the sale price depending on the condition of the item. Goods ordered in error are also subject to the handling fee.

• Equipment which was built as a special order cannot be returned.

• Always refer to the RMA# when contacting WPI to obtain a status of your returned item.

• For any other issues regarding a claim or return, please contact the RMA department

Warning: This equipment is not designed or intended for use on humans.

World Precision Instruments, Inc.

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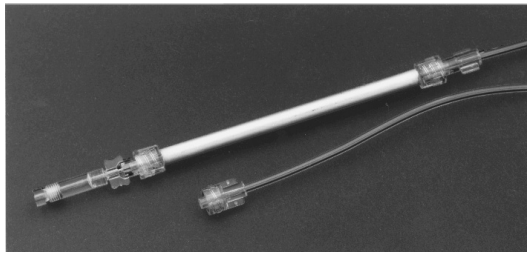
PicoNozzle Kit

INSTRUCTION MANUAL

Serial No._____



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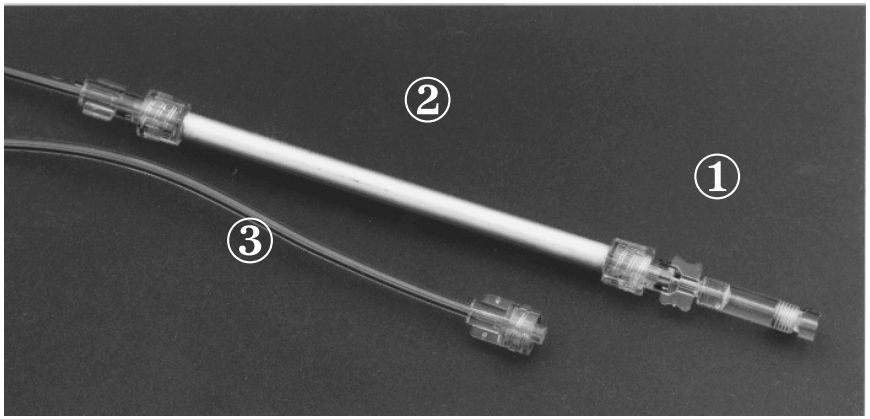

The PicoNozzle holds a microinjection pipette during microinjection. It features good stability, minimum dead volume for fast response, and allows pipettes to be changed quickly and easily.

The PicoNozzle Kit consists of three components:

1. MPH6S microelectrode holder
2. Epoxy tubing handle for MPH6S, a 4-inch hollow tube with male Luer fittings at both ends.
3. Clear PVC tubing, 5-feet, 0.060" ID (0.120" OD), with a male locking Luer fitting on one end and a female locking Luer fitting at the other. Tubing is rated for 200 PSI and 86 durometer shore A.

INSTRUCTIONS FOR USE

1. Mount the handle onto a micromanipulator.
2. Connect the female Luer fitting of the PVC tubing to the back end of the handle. The other end of the PVC tubing connects to the injection pressure source. To attach it to the pressure port of WPI's PV800 Series PicoPumps which have barbed fittings, the male Luer fitting on the PVC tubing should be cut off and the tubing pushed directly onto the output port.

NOTE: Long lengths of tubing tend to decrease the time response of the system due to the increased volume. For fastest possible response keep the tubing length as short as possible.

3. Mount a glass micropipette into the holder before mounting the holder onto the handle. To mount a micropipette, loosen the holder's screw cap, insert the pulled capillary glass into the holder, and tighten the screw cap firmly. The cap squeezes a rubber gasket, holding the glass micropipette.
4. Test that the micropipette is firmly held by pulling on it. A firmer hold on the glass can be achieved by adding an extra gasket in the micropipette holder.

WARNING: DANGER OF INJURY EXISTS IF THE PIPETTE IS INSECURE. HIGH PRESSURE CAN CAUSE THE PIPETTE TO EJECT AT EXTREME VELOCITIES. BE SURE HOLDER SCREW CAP IS FIRMLY TIGHTENED. NEVER DIRECT THE PIPETTE TOWARD YOURSELF OR ANOTHER PERSON WHILE CONNECTING THE SYSTEM.

5. Mount the MPH6S holder to the handle, twisting the Luer fitting to lock it in place.
6. The Luer fitting on the MPH6S holder makes changing micropipettes easy by allowing quick removal of the pipette holder from the handle. Whenever the pipette must be replaced, just remove the pipette holder from the handle, replace the pipette and remount the holder. The handle need not be removed from the micromanipulator during the replacement of the pipette.