

# Concorde Convertible Tip Hand Probe Instruction Sheet

Congratulations! You have just purchased the Concorde CT Hand Probe. Hamilton Company combines top quality materials with skilled workmanship to ensure the highest possible performance level of every precision fluid device it manufactures. With proper care and handling, the Concorde CT Hand Probe will provide unsurpassed performance in liquid handling year after year.

The Concorde CT Hand Probe is designed to work with Hamilton Microlab<sup>®</sup> instruments. This probe is compatible with 12 and 18 gauge tubing and features an adjustable tip that can be oriented at 0 or 15 degrees for comfortable operation. This probe may be used with 1/8 inch tubing for viscous liquids. The tip of the probe has 1/4-28 threads that can be used to convert the probe into a luer lock termination using the Luer Lock Conversion Kit.

**The Concorde CT Hand Probe manufactured by Hamilton Company is intended for scientific research and laboratory use only and is not intended for human *in vivo* use.**

## Assembling the Concorde CT Hand Probe

1. Select the correct size tubing for your application. Use 18 gauge tubing with 1 mL syringes and smaller, use 12 gauge tubing with syringes greater than 1 mL. This tubing should have been provided with the Microlab instrument. If new tubing is required please reference the replacement parts on the next page.

2. Loosen the tubing clamp nut.
3. Insert the tubing through the end of the probe and out through the 1/4-28 Through Tube Adapter.
4. Continue to pull the tubing through the probe until the desired length of tubing is exposed.
5. Tighten the tubing clamp nut to hold the tubing in place.

**Note:** Do not over tighten the tubing clamp nut as this can crimp the tubing.

6. The Concorde CT Hand Probe should now look like Figure 1.

## Changing the Orientation of the Concorde CT Hand Probe

1. Hold the probe with one hand and grasp the tip with the other hand.
2. Gently pull the tip away from the probe and down.
3. This will angle the tip of the probe to a 15 degree angle.
4. Push the tip toward the probe to lock the position.
5. To return to the original position, hold the probe with one hand and grasp the tip with the other hand.
6. Gently pull the tip away from the probe and up to 0 degrees. See Figure 2 for reference.

Figure 1. Final Assembly of Concorde CT Hand Probe

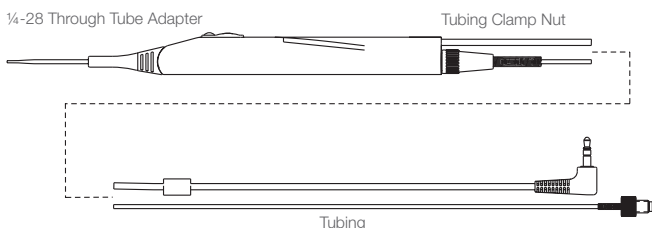
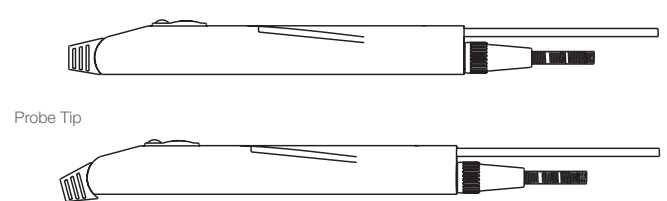


Figure 2. Changing the orientation of the Concorde CT Hand Probe



## Cleaning the Outside of the Concorde CT Hand Probe

Clean the probe with an alcohol such as methanol or ethanol. Do not soak the probe or use acetone to clean. Acetone may dissolve the plastic housing of the probe. The Concorde CT Hand Probe is not autoclavable.

**Note:** The hand probe's fluid path is manufactured from FEP tubing that is extremely chemically inert, for chemical compatibility please reference the Microlab manual.

## Replacement Parts

### Probe Models

Pump Compatibility	Part Number
Microlab 500 Series	55730-01
Microlab 600 Series	61401-01

### Accessories

Description	Part Number
M6 Luer Lock Conversion Kit (Microlab 500)	58381-02
¼-28 Luer Lock Conversion Kit (Microlab 600)	58381-01

### Replacement Parts

Description	Part Number
<b>Microlab 500</b>	
12 gauge dispense tubing, 36 inches, with M6 fitting	240360
12 gauge dispense tubing, custom length, with M6 fitting	1171-01
18 gauge dispense tubing, 36 inches, with M6 fitting	240130
18 gauge dispense tubing, custom length, with M6 fitting	1173-01
<b>Microlab 600 Series</b>	
12 gauge dispense tubing, 54 inches, with ¼-28 fitting	240133
12 gauge dispense tubing, custom length, with ¼-28 fitting	1171-02
18 gauge dispense tubing, 54 inches, with ¼-28 fitting	240134
18 gauge dispense tubing, custom length, with ¼-28 fitting	1173-02

## Warranty Statement

Hamilton Company unconditionally guarantees its products to be free of defects in materials and workmanship. Any product that fails due to such a defect will be repaired or replaced at our discretion without cost, provided the device is returned on a Return Materials Authorization (RMA). It is the responsibility of the purchaser to determine the suitability of application and material compatibility of the product based on the published specifications of the product.

## Return of Goods

Hamilton Company's return and repair policy is written to protect its employees from potentially hazardous materials (e.g., serum, radioactive materials, carcinogenic chemicals) or any substance that may cause them partial or permanent disability during the inspection or repair process. In returning a product, the customer acknowledges that the product is free from any hazardous materials. Furthermore, the customer assumes responsibility should the returned product prove to be hazardous.

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Part Number 59220-01 Rev. D

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