

# Micro Cannulation System

Instruction Manual

Item # 18000-10

## Description

Micro cannula features include:

- Biocompatible tubing made from Teflon (PTFE) material.
- Cannula tip has a 0.33mm O.D. and a 0.16mm I.D.
- Length from tip to luer end is approximately 8.5cm.
- Stainless steel trocar assists in vascular penetration to allow a maximum range of cannula manipulation during insertion.
- The tip is contoured for ease of insertion and is fitted with an adjustable barb for “tie-in” to prevent accidental removal.
- The cannula has a female luer connection allowing convenient linkage to infusion lines.

## Intended Use

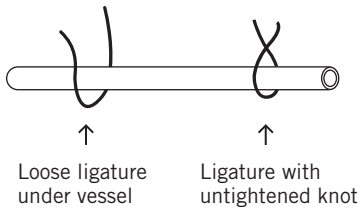
The micro cannula has been designed for quick and easy insertion into the arteries and veins of small lab animals.

Intended uses include:

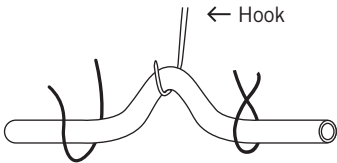
- Injecting drugs directly into the circulatory system.
- Injecting radio labeled compounds or monoclonal antibodies intra-arterially for distribution to vital organs.
- Measuring pressure in the femoral artery without compromising blood flow to the brain.

## Directions

1. Expose and isolate the vessel from surrounding tissue.

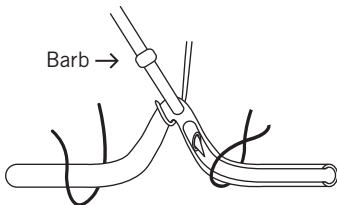


2. Lift the vessel with a hook or ligature.

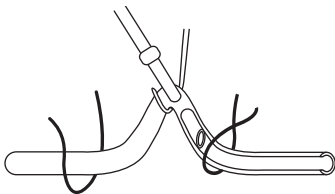


## Directions

3. Insert the cannula with the trocar slightly extended.



4. Gently remove the trocar while advancing the cannula slightly.



## Directions

5. Gently lower the cannulated vessel and remove the hook.

Fig. A

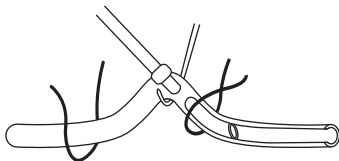


Fig. B

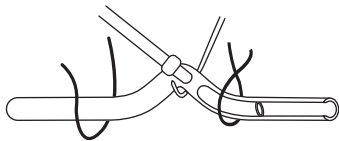
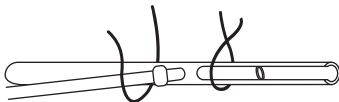
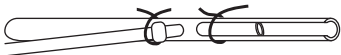


Fig. C



## Directions

- Secure ligatures, placing one directly behind the barb to prevent accidental removal during procedure.



## Important Notes

- **STERILITY:** The micro cannulation system is NON-STERILE. To sterilize you may use liquid disinfectant, cold sterilization or ethylene oxide gas.
- **REINSERTING THE TROCAR:** The trocar can be reinserted into the cannula. As the trocar reaches the narrowing juncture of the cannula, gently rotate either the trocar or the cannula until the point of the trocar moves freely through the juncture. Then advance the trocar using the wire portion nearest the luer lock hub. Do not advance using the white barb as this can bend or kink the trocar.
- **POSITIONING THE TROCAR:** The point of the trocar should extend beyond the cannula the length of its taper. Too far will increase the risk of double puncture and too little will make puncturing difficult.



## Important Notes

- **INSERTION:** The beveled surface of the tip must face up during insertion to allow gradual introduction and good visualization.
- **TIE-IN:** The “tie-in” barb is adjustable and can be moved along the cannula length. **DO NOT** attempt to move it without the trocar inserted.
- **REUSABLE:** After use, rinse thoroughly and sterilize. With care the cannula can be reused several times.

# Notes

# Notes



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