

Hummi Micro-Draw Umbilical Arterial Line Blood Collection with Self-Venting Syringe

Instructions for Blood Transfer and Collection into a **SELF-VENTING SYRINGE Using the Hummi Micro-Draw Blood Transfer Device on a UAC Umbilical Arterial Line Catheter with Baxter Split-Septum T-connector Attached.**

1. Assemble the needed components. Hummi Micro-Draw Blood Transfer Device, desired collection device (vented syringes), site prep materials, labels, gloves, etc.
2. Don Gloves. Prep the T-connector septum according to institutional policy and procedure.
3. Open the Hummi Micro-Draw device and inspect for damage, etc. Make sure the vent plug is in place on the extension with Blue Clamp. Make sure the white vent cap is in place on the extension with Red clamp. The protective cover should be on the Hummi blunt metal tube.
4. Clamp both extension tubing clamps on the Hummi (Red and Blue) to the closed position, clamping the lines.
5. Also clamp the T-connector tubing at this time to stop flow in the arterial line.
6. Remove the protective cover on the Hummi blunt tube, hold the T-connector hub securely and slowly insert the blunt metal tube into the T-connector septum at a 90 degree angle to the septum. (Keep straight on insertion)
7. Fully insert the Hummi blunt tube until it is entirely inserted through the septum and rests with its tip inside the catheter hub.
8. Remove the white vent plug from the extension set with the Blue clamp. Attach a self-vented syringe, pre-set to the needed clearance/waste volume. 0.5mL should be sufficient for most Umbilical Catheters.
9. Unclamp the Blue clamp on the extension tube with clearance/waste syringe and allow clearance blood to flow into the extension tube and syringe until it reaches the pre-set clearance volume.
10. Immediately close the Blue clamp on the line to prevent further flow. Leave the syringe with clearance/waste blood attached to the extension tube.
11. Next, remove the white vented cap from the extension tube with the Red clamp, and attach the desired size of self-vented syringe for collection of the blood sample. This syringe should be pre-set to the desired volume of blood to be collected.
12. Holding the syringe in an upright position, unclamp the Red clamp and allow clean blood to flow up and into the collection syringe until it fills to the desired volume.
13. Immediately close the Red clamp on the tubing to prevent further flow. Remove and cap the sample syringe and send for testing or set aside.
14. Next go back to the waste clearance extension. Holding the syringe in an upright position, release the Blue clamp on the line. Slowly return the 0.5mL of waste/clearance blood to the patient over a 15 second period.
15. Holding the T-connector hub securely, slowly remove the Hummi Micro-Draw device with waste syringe attached in a straight and smooth withdrawal motion. Discard the Hummi Micro-Draw device in an appropriate sharps container.
16. Flush the T-connector with approximately 0.3mL to 0.5mL of fluid to clear the catheter.
17. Clean the T-connector septum, unclamp the T-connector and resume normal arterial monitoring.