

## Hummi Micro-Draw PAL Blood Draw Guidelines with Self-Venting Syringes.

<p><b>Step 1 Prep Split-septum T-connector</b></p> <p>Wearing appropriate protective attire, prep the split-septum T-connector according to institutional policy.</p> 	<p><b>Step 2 Open and inspect Hummi-Micro Draw Device</b></p> <p>Open the Hummi Micro-Draw device and inspect. Make sure vent plug is in place on extension with <b>Blue</b> clamp. Make sure vent plug is in place on extension with <b>Red</b> clamp. The protective cover should be on the Hummi blunt tube.</p> 
<p><b>Step 3 Close Both Red and Blue Clamps</b></p> <p>Clamp both extension tubing clamps on the Hummi Micro-Draw.</p> <p>Close <b>Red</b> Clamp. Close <b>Blue</b> clamp.</p> 	<p><b>Step 4 Close T-connector with Slide Clamp</b></p> <p>Also clamp the split-septum T-connector tubing at this time using the attached slide clamp.</p> <p>This will stop the line flow into the arterial catheter and T-connector.</p> 
<p><b>Step 5 Attach Syringe to Red Clamp Extension Tube</b></p> <p>Remove white vent plug from extension tube with <b>Red</b> clamp.</p> <p>Pre-set self-venting syringe collection volume and attach to extension hub for blood sample.</p> 	<p><b>Step 6 Insert Blunt Tube to Catheter Hub</b></p> <p>Remove the protective cover on the Hummi blunt tube.</p> <p>Hold the T-connector hub securely and <b>SLOWLY</b> insert the blunt tube into the T-connector split-septum at a 90 degree angle to the septum. (Keep straight on insertion)</p> 
<p><b>Step 7 Fully Insert Blunt Tube to Catheter Hub</b></p> <p>Insert the Hummi Micro-Draw blunt tube until it is <b>FULLY</b> inserted through the split-septum and stops with its tip resting inside the catheter hub.</p>  <p>FULLY INSERT HUMMI INTO SPLIT-SEPTUM T-CONNECTOR</p>	<p><b>Step 8 Unclamp Blue Clamp and Allow Clearance Blood</b></p> <p>Holding syringe in tip down position, Unclamp <b>Blue</b> clamp and allow clearance blood to flow into extension tube until it meets the white vent plug.</p> <p>Immediately close the <b>Blue</b> clamp.</p>  <p>UNCLAMP BLUE CLAMP TO ALLOW CLEARANCE BLOOD TO CONTACT WHITE VENT PLUG AND CLOSE BLUE CLAMP</p>
<p><b>Step 9 Unclamp Red Clamp and Allow Sampling Blood to Transfer into Self-Venting Syringe</b></p> <p>Holding the self-venting blood sampling syringe in tip down position, unclamp the <b>Red</b> clamp and allow clean blood to flow up into the collection syringe until it fills to the pre-set volume.</p>  <p>OPEN RED CLAMP AND ALLOW SELF-VENTING SYRINGE TO FILL WITH SAMPLING BLOOD</p>	<p><b>Step 10 Close Red Clamp and Remove Hummi Device From T-connector</b></p> <p>Close the <b>Red</b> clamp on the extension tubing to closed position.</p> <p>Slowly remove Hummi Micro-Draw device with attached blood sample syringe in a straight and smooth withdrawal motion.</p> 
<p><b>Step 11 Remove Sample Syringe &amp; Unclamp T-connector</b></p> <p>Remove and cap the sample syringe and set aside for testing.</p> <p>Unclamp the T-connector slide clamp and resume arterial monitoring.</p> 	<p><b>Step 12 Clean T-connector Split-septum</b></p> <p>Clean the T-connector split-septum with appropriate anti-microbial.</p> <p>Flushing at this point is optional and may not be necessary.</p> <p>Dispose of the Hummi Micro-Draw in a sharps container.</p> 