
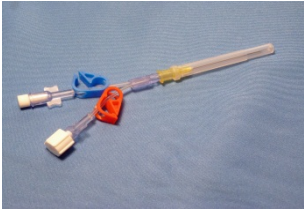





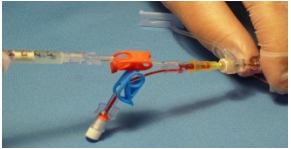
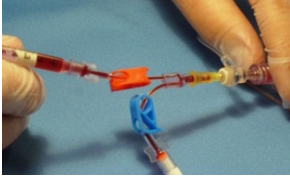
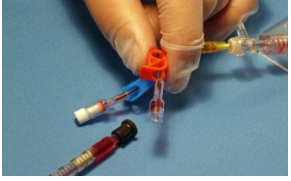
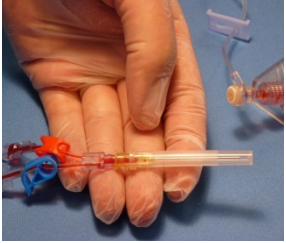


## Hummi Micro-Draw PAL Blood Draw Guidelines

<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.</p> <p>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 line.</p> 
<p><b>Step 5 Insert Hummi Blunt Tube</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 6 Fully Insert Blunt Tube to Catheter Hub</b></p> <p>Insert the Hummi Micro-Draw blunt tube until it is fully inserted through the split-septum and stops with its tip inside the catheter hub.</p> 
<p><b>Step 7 Unclamp Blue Clamp to Allow Clearance Blood</b></p> <p>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><b>Step 8 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 9 Unclamp Red Clamp and Allow Blood Transfer</b></p> <p>Holding the 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><b>Step 10 Close Red Clamp – Remove Sampling Syringe</b></p> <p>Close the <b>Red</b> clamp on the extension tubing to closed position.</p> <p>Remove and cap the sample syringe and set aside for testing.</p> 
<p><b>Step 11 Slowly Remove Hummi From T-connector</b></p> <p>Remove the Hummi Micro-Draw device slowly from T-connector while holding the T-connector hub securely.</p> <p>Unclamp the slide clamp from the T-connector tubing and resume normal 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>Unclamp the slide clamp on the T-connector tubing and resume normal monitoring.</p> <p>Flushing at this point is optional and may not be necessary.</p> 