

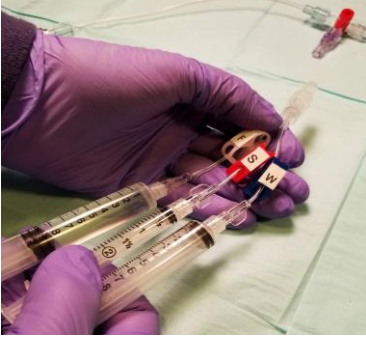
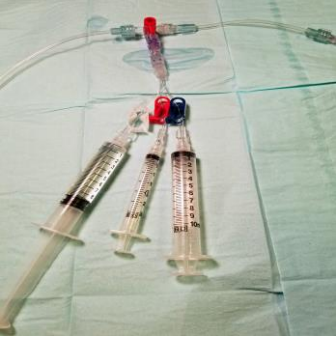
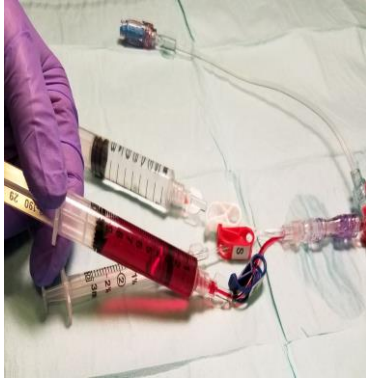



Hummingbird Med Devices, Inc.

Blood Transfer and Flush Set (BTF-HM-3)

Guidelines for Use.

Step 1 Setup of Blood Transfer and Flush Set for Blood Draw and Flush	Step 2 Setup of Blood Transfer and Flush Set for Blood Draw and Flush
<p>Gather the needed materials for the procedure.</p> <p>BTF set, sample syringe(s), Pre-filled flush syringe 10 mL, waste syringe (5ml or 10ml), antiseptic prep (2), clean gloves.</p> <p>Put on clean gloves and clean the Access port per hospital policy.</p> <p>Open BTF Set, Inspect for product Integrity.</p>	<p>Close All 3 Line Clamps BEFORE attaching syringes.</p> <p>Attach a 10mL pre-filled Flush Syringe to the flush line (F), open “F” line clamp and prime Just the Flush Line “F” with approx. 1mL-2mL of flush to remove air in Flush line. Close the Flush line “F” clamp.</p>
	
Step 3 All Syringes Attached & Setup Completed	Step 4 Blood Draw Procedure
<p>Next attach the waste syringe to the waste line (W) luer connection.</p> <p>Then attach the sample syringe to the Sample line (S) luer connection.</p> <p>BTF Set now has all three syringes pre-attached, Flush line cleared of air & ALL clamps closed.</p>	<p>BTF Set Attached to Access Port</p> <p>The rotating luer locking connector on BTF set is then locked on to the cleaned access port designated for blood sampling.</p>
	
Step 5 Blood Draw Procedure (Waste/Holding)	Step 6 Blood Draw Procedure (Sample)
<p>Turn the stopcock with the Access Port Valve to OFF position to the fluid source or transducer.</p> <p>The line Waste clamp (W) is opened and desired volume of Waste/Holding Blood drawn into waste/holding syringe.</p> <p>Proper waste volume is approx. 3x volume of catheter and line dead space up to the sample site. 5mL to 8mL will clear most catheters.</p> <p>The waste (W) clamp is then closed & waste syringe remains attached.</p>	<p>The Sample extension line (S) clamp is opened and clean blood is drawn into sample syringe.</p> <p>The sample line (S) is re-clamped and the sample syringe remains attached.</p> <p>Additional samples can be taken by removing the sample syringe and adding a new syringe and following above instructions.</p> <p>Note: Always clamp line between syringe use or syringe changes.</p>
	

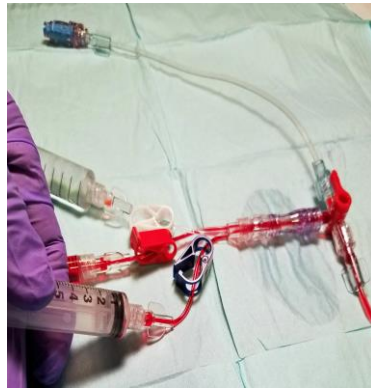
Step 7 Blood Draw Procedure (Waste/Holding Return)

Open Waste clamp (W) and return waste/clearance, holding syringe in tip down position.

(Discard of the Waste is Optional)

Leave Waste (W) syringe attached.

The Waste (W) clamp is then closed.



Step 8 Blood Draw Procedure (Flush)

The flush line clamp (F) is then opened and the attached flush syringe is used to flush the access port, line and catheter with sufficient flush to clear the line & catheter.

Flush line clamp "F" is then closed and flush syringe remains in place

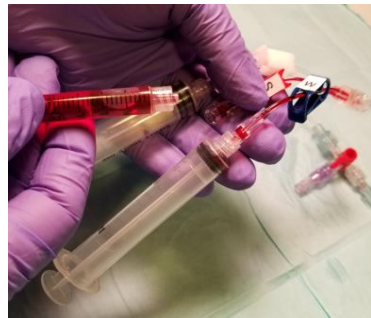


Step 9 Blood Draw Procedure (Set Removed)

Next turn stopcock handle off to side access port to resume normal flow.

The BTF Set with syringes attached are now removed from access port.

The sample syringe is now removed for testing.



Step 10 Blood Draw Procedure (Completed)

The BTF Set with attached waste syringe & flush syringe are then discarded in proper biohazard container.

The Access Port should be cleaned post use per hospital policy.

