

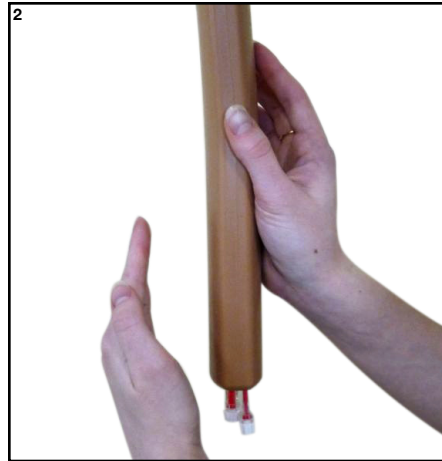
Instructions for refilling the Vascular Access Ultrasound Phantom 0700

Over time and use, it may become necessary to refill your Ultrasound Phantom with simulated ultrasound blood and/or remove air, using the following steps. Using VATA's Simulated Ultrasound Phantom Blood 0752 will insure you are getting the best image on your ultrasound screen.

1. Hold the phantom in a vertical position with one set of clear tubings oriented at the top. **See photo #1**



2. While supporting the phantom in one hand, tap the surface of the phantom to dislodge any trapped air in the vessels. It may take a couple of minutes for the air to be visible due to the length of the phantom and viscosity of the blood. **See photo #2**

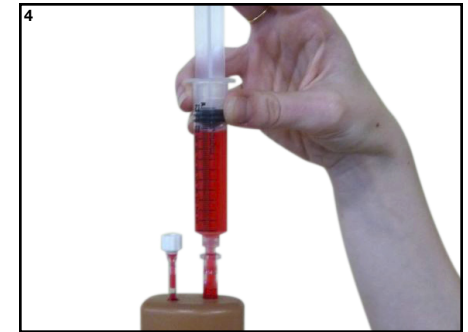


3. In order to provide the best image, the blood should be free of air bubbles. If air is visible, take a syringe and SLOWLY draw simulated ultrasound phantom blood into it. Do not completely fill your syringe, but leave at least 3 ml unfilled. Drawing the blood slowly prevents air bubbles which are produced by fast filling of the syringe.

4. Keeping the phantom in a vertical position, open the end cap of the tubing with the air. CAUTION - be sure to hold the clear tubing when removing the cap, as twisting the clear tubing can result in it tearing away from the phantom and causing leakage. **See photo #3**



5. Attach your syringe to the connector while holding the clear tubing, as mentioned above. Draw back on the syringe plunger to draw the air into the syringe and then infuse blood into the phantom. Be careful not to overfill, as this may pressurize the vessel and cause leakage from previously accessed sites. If you notice this occurring, remove fluid by drawing back on the plunger. **See photo #4**



6. While holding a paper towel on the clear tubing, remove the syringe. Excessive pressure in the vessel may push blood out of the tubing and this can be absorbed by the paper towel. **See photo #5**



7. Repeat procedure if needed for second vein.