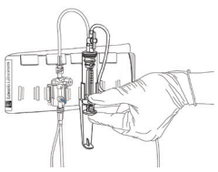
VAMP Plus Closed Blood Sampling System with Luer Activated Sample Site (LASS)

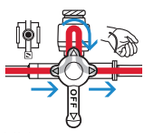
Reference guide

Priming with gravity



1. Push the reservoir plunger to the closed and locked position. ***Do not pressurize the IV bag yet.***

2. With the sample sites in the priming / clearing / reinfusing position, hold the sample site(s) above the VAMP Plus system reservoir at a 45° angle.

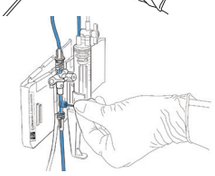


LASS in priming / clearing / reinfusing position



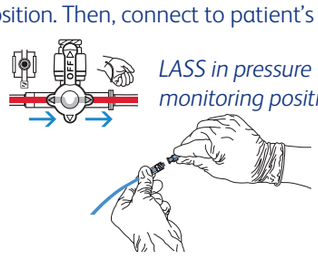
VAMP Plus system reservoir in vertical position

3. Provide flow by pulling the Snap-Tab on the TruWave disposable pressure transducer to remove air.



4. Ensure all air is removed from the system. Pressurize the IV bag per hospital policy.

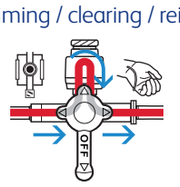
5. Ensure the sample site(s) are turned to monitoring position. Then, connect to patient's catheter.



LASS in pressure monitoring position

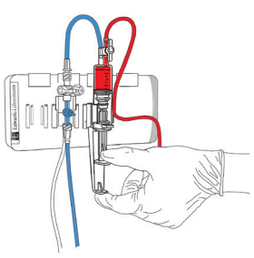
Drawing the clearing volume

1. First, turn the handle of the sample site to the priming / clearing / reinfusing position.



LASS in priming / clearing / reinfusing position

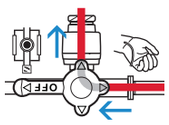
2. Release plunger latch of the reservoir and smoothly draw the plunger to the open position until the plunger stops and the reservoir is at 12 mL volume capacity.



3. **Recommended draw rate is 1 second for each mL.** The clearing volume should not remain in the reservoir for longer than 2 minutes.

Drawing blood samples from LASS needleless sample site

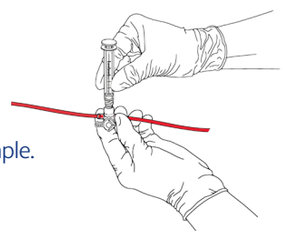
1. Turn the sample site handle to the sampling position.



LASS in sampling position

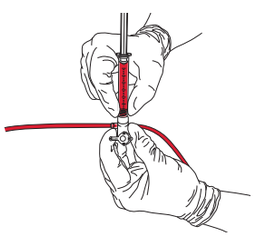
2. Disinfect the sample site. Carefully connect a Luer lock syringe to the sample site by slowly pushing the syringe clockwise into the site, rotating until it is fully seated.

Do not use a needle or needleless cannula through the sample site.



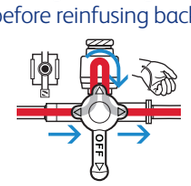
3. Slowly draw the blood sample.

4. Remove the syringe from the sample site by rotating counter-clockwise. Clean the sampling site, ensuring removal of any excess blood.



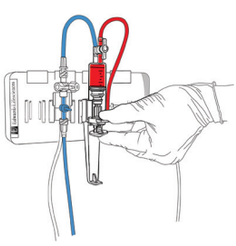
Reinfuse the clearing volume and flushing

1. Turn the sample site handle to the priming / clearing / reinfusing position before reinfusing back to the patient.

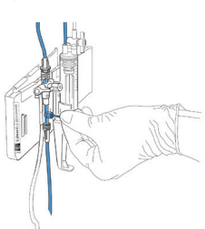


LASS in priming / clearing /reinfusing position

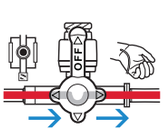
2. Reinfuse the clearing volume at **a rate of 1 mL / second**.



3. Flush the VAMP Plus system by pulling the Snap-Tab on the TruWave transducer and check the sample site to remove any excess blood.



4. Finally, turn the sample site to the pressure monitoring position.



LASS in pressure monitoring position

CAUTION: Federal (United States) law restricts these devices to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

BD, Irvine, CA 92618 USA

bd.com

BD, the BD Logo, TruWave, VAMP and VAMP Plus are trademarks of Becton, Dickinson and Company or its affiliates. All other trademarks are the property of their respective owners. © 2025 BD. All rights reserved. BD-151790 v1.0 US