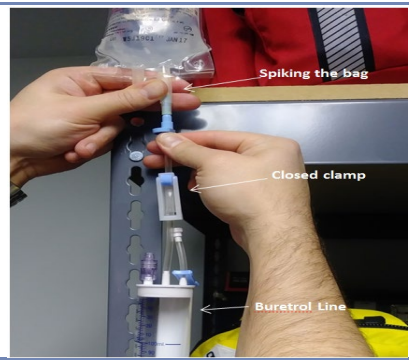


BURETROL SET PRIMING

Document Owner: C. Sohm	Program/Service Area: Centre for Prehospital Care	Issue Date: July 2017
Review Date: November 2025	Revision Date: November 15, 2023	
Approval: Corey Petrie, Interim Regional Manager, Centre for Prehospital Care & Trauma Services		Frequency: As Required, in accordance with the Intravenous and Fluid Therapy Medical Directive.
Signature: 		

Purpose: To ensure a consistent standardized practice for all Buretrol Solution Set priming.

	Content	Details
1.	Ensure that the patient qualifies for the appropriate medical directive, or contact a Base Hospital Physician (BHP) for further direction.	
2.	Communicate the need for the IV and its effects to the patient/family member and obtain consent whenever possible.	
3.	Ensure protective caps on the IV line are in place and it is not expired. Inspect the IV solution for solution type, volume, clarity, and integrity and expiry date.	
4.	Remove all equipment from the protective outer wrap and hang the IV solution.	
5.	Using aseptic technique: •Close the On-Off clamp above the burette chamber. •Slide the regulating clamp on the IV tubing up as close as it will go to the drip chamber and then close the regulating clamp. •Remove protector plastic from IV solution administration outlet and from the spike on the IV tubing. •Insert spike of IV tubing set into outlet using twisting motion until internal membrane is broken. This is usually signified by a small air bubble	
6.	Ensure the airway slide clamp on top of the burette chamber is open	
7.	Open On-Off clamp and fill the burette chamber with at least 35 mL of solution. Close the On-Off clamp.	Do Not squeeze the burette chamber
8.	Squeeze and release the drip chamber once. Assess the fluid level. If the fluid has not reached the level of the indicator line then squeeze and release the drip chamber a second time.	If the drip chamber becomes flooded, do not force fluid back into the burette chamber as it may rupture the filter.
9.	Partially open the regulating clamp on the IV tubing to prime the IV line and purge any air. After the IV line is primed, close the regulating clamp on the IV tubing.	Should air be present within this system, it must be purged by continuing the IV flow until all air is cleared from the IV tubing.

10.	Open the On-Off clamp and fill the burette chamber with the desired amount of IV solution and then attach the male luer adaptor to the vascular access device and make sure the connection is secure.	
11.	To properly set the flow, always close the regulator clamp completely and then reopen to establish the flow rate.	
12.	Label the IV solution by either writing directly onto the bag, or onto an affixed piece of tape. The date, time and your initials should be included on this label.	

Expected Outcome: Successfully prime a Buretrol Solution Set