

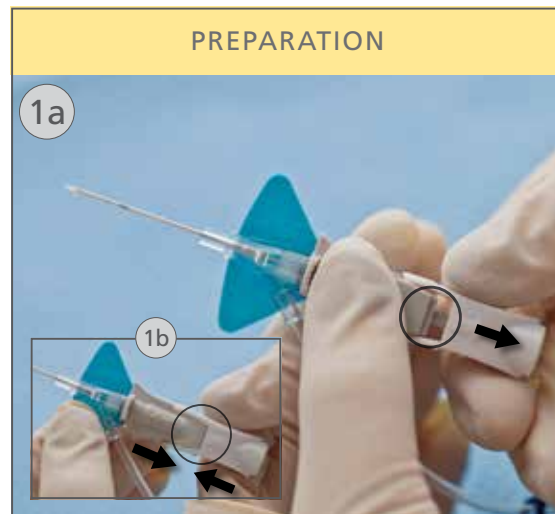
# BD Nexiva™ Diffusics™

## CLOSED IV CATHETER SYSTEM >>>

POINTS TO PRACTICE & TIPS FOR SUCCESS



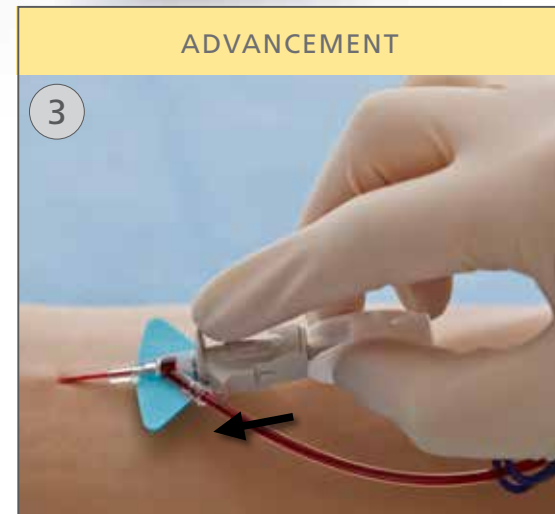
### POINTS TO PRACTICE



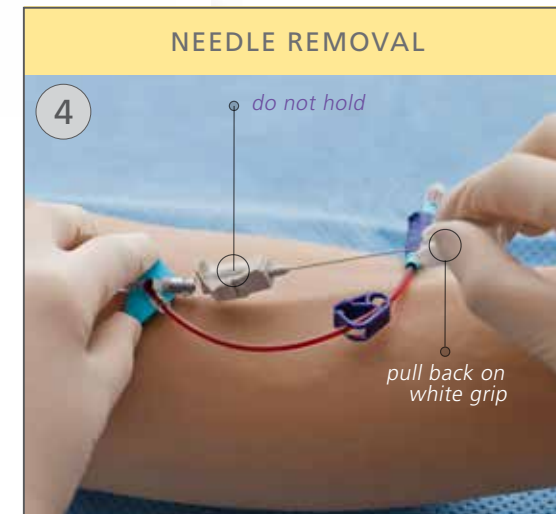
- > Secure the vent plug
- > Clamp should not be engaged
- > Twist to remove needle cover
- > Holding as shown, pull back approximately 1/8" on finger grips (fig. 1a)
- > Push finger grips back to their original position so the gray push-tab piece and the white finger grips are snugly together (fig. 1b)



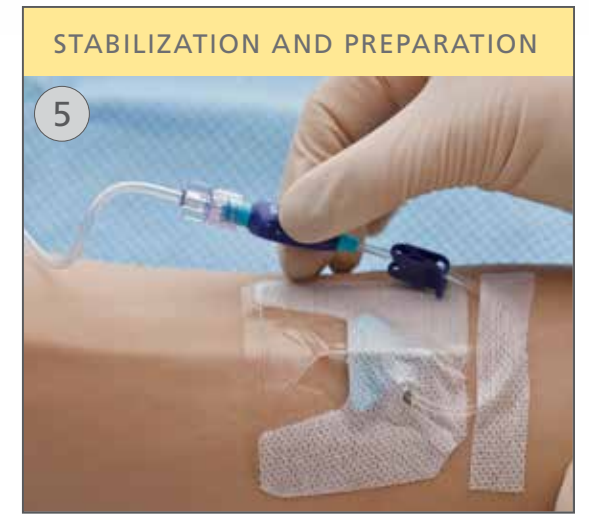
- > Access the vessel (fig. 2)
  - > Initial blood return is along the catheter, then up the extension tube
- NOTE:** Once you see blood return, lower the catheter angle and advance the entire catheter and needle unit slightly to ensure the catheter tip and not just the needle tip is within the vessel



- > While stabilizing the vessel, with the pad of your index finger behind the gray push tub, push the catheter forward while holding the white finger grips stationary
- NOTE:** Blood return will advance up the extension tubing as the needle is being removed out of the catheter.



- > Stabilize the platform and pull back on the white finger grip until the gray push tab component releases from the stabilization platform (fig. 4)
  - > Discard the shielded needle into a puncture-resistant, leak-proof sharps container
- TIP:** Do not hold the gray component of the device as this will prevent the release of the shielded needle



- > Apply a transparent dressing to cover the entire insertion site and catheter platform. Ensure that the catheter insertion site is visible (fig. 5)
- > Engage the clamp
- > Remove the vent plug
- > Do one of the following according to your facility protocol:
  - > Attach administration tubing, release the clamp and begin infusion (fig. 5) or
  - > Flush the system, re-engage the clamp and attach either a needleless connector or a dead-end cap

### POWER INJECTION GUIDELINES

18-24 gauge catheter systems are suitable for use with contrast media up to 27.5 cP viscosity, with power injectors set to a maximum pressure of 325 psi, and within maximum flow rate.

The catheter system is tested for integrity and **stability** at the listed flow rates, however, this does not imply appropriateness of the procedure for a particular patient. Evaluation of the health status of a patient prior to a power injection procedure should be performed by a suitably qualified clinician.

Due to variations in add-on devices, tubing, contrast media temperature and pressure limit settings, these flow rates may not be achievable.

### Power Injection Flow Rates

Gauge and Length	BD Catalog #	Max Flow Rate (mL/sec)	Max Injector Setting (PSI)
24 G 0.75 IN	383590	3.0	325
22 G 1.00 IN	383591	6.5	325
20 G 1.00 IN	383592	10.0	325
20 G 1.25 IN	383593	10.0	325
18 G 1.25 IN	383594	15.0	325



**BD Medical**  
 2100 Derry Road West, Suite 100  
 Mississauga, ON L5N 0B3  
 1.800.268.5430  
 www.bd.com/diffusics