



# Product Reference Sheet

## ChemoLock™

Needlefree Closed System Transfer Device (CSTD)

### ChemoLock Vented (Air-cleaning) Vial Spikes for Use with Drug Vial Closures: 13mm (CL-72), 20mm (CL-70S, CL-70), 28mm (CL-70SL, CL-70SL), 32mm (CL-70SXL)

#### 1. Spike Vial



- › Place vial on hard surface, remove end cap from ChemoLock vial spike and align spike with center of vial closure.
- › Push spike straight down into center of vial stopper until it passes through the stopper and the clips or skirt lock securely onto vial.
- › For universal clip products, gently spread clips using two hands, center spike and push straight into vial. Release clips to ensure they securely lock onto the vial closure ring.

#### 2. Injector Syringe Assembly



- › Attach ChemoLock injector to end of syringe.
- › Rotate the injector until it 'clicks' and spins freely.
- › To ensure proper connection, confirm ChemoLock injector spins freely.  
**Tip:** prior to connecting ChemoLock injector depress syringe plunger to remove air in syringe.

#### 3. Securely Connect 'Click'



- › Disinfect per DFU or facility protocol and allow to dry.
- › Place vial in an upright position on flat surface and attach injector-syringe assembly to port.
- › Push straight together until a 'click' is heard and the devices are locked together.

#### 4. Reconstitution (If Required)



- › Place the vial in the upright position on a flat surface.
- › Slowly infuse diluent into the vial.
- › To minimize a blocked filter, never infuse fluid into the vial when inverted.  
**Tip to clear a blocked filter:**  
With vial on flat surface area pull up on syringe plunger and then push fluid and/or air back into vial. Vial can now be inverted and fluid can be withdrawn.

#### 5. Aspirate



- › Invert drug vial and aspirate desired amount of fluid.

#### 6. Disconnect



- › To disconnect, press the release clips on the injector and ChemoLock will automatically disconnect.

#### Storage Tip:

Always store vial in upright position on flat surface.

Use aseptic technique. Single drug transfer or administration use only. Do not reuse. Sterile, non-pyrogenic. Universal, 20mm, and 28mm vial spikes contain polycarbonate polycarbonate. Not compatible with N, N-Dimethylacetamide; Busulfan (Busulfex, Myleran). All ChemoClave and ChemoLock products are compatible with the diluted solution of Busulfan at a 0.536 mg/mL concentration, which corresponds to a 0.7 mg/mL concentration in 500 mL of 0.9% sodium chloride, as instructed in the prescribing information. The ChemoLock 13 mm vial spike CL-82, CL-62, and vented CL-72 and CL2000S syringe injector are compatible with undiluted Busulfan and Amsacrine for a maximum duration of 1 hour. No other ChemoLock products are compatible with undiluted Busulfan and Amsacrine

## ChemoLock® Vial Spike for use with Drug Vials



**Indications for use:** The ChemoLock Closed System Drug Transfer Device prevents the transfer of environmental contaminants, including bacterial and airborne contaminants into the system, and the escape of drug or vapor concentrations outside the system. The ChemoLock is needlefree and cannot be deactivated, which will passively aid in preventing needlestick injuries and the exposure of cytotoxic medications for healthcare personnel.

**Use aseptic technique. Single drug preparation use only. Do not reuse. Sterile, non-pyrogenic.**

1. This device is not intended to be a substitute for the drug reconstitution process when sterile compounding is required, which requires ISO class 5 environment admixing or the use of a Biological Safety Cabinet (BSC) or laminar flow hood.
2. Prepare drug vial closure and stopper in accordance with manufacturer's instructions.
3. Place vial on hard surface, remove end cap from ChemoLock vial spike and align spike with center of vial closure. Push spike straight down into center of vial stopper, until it passes through the stopper and the clips or skirt lock securely onto vial.
  - a. For universal clip products, gently spread clips using two hands, center spike and push straight into vial. Release clips to ensure they securely lock onto the vial closure ring.
4. Access ChemoLock vial spikes using a ChemoLock Injector assembled to a transfer syringe. Refer to ChemoLock Injector instructions for use.
5. **To reconstitute drug (if necessary):** Disinfect Port with 70% isopropyl alcohol wipe using an aggressive circular motion for 3 seconds and allow to dry. Place vial in an upright position on flat surface and attach Injector-Syringe assembly containing diluent to Port. Push straight together until a 'click' is heard and the devices are locked together. Once locked together, the fluid path is activated and contents may be transferred to the vial. Infuse diluent into vial; agitate according to manufacturer's instructions.
  - a. For external balloon devices, remove outside white cover if applicable to allow for balloon inflation.
  - b. External balloon for 20mm, 28mm and 32mm vial access products has a 100cc capacity. If infusing more than 100cc of fluid, allow syringe plunger to back out to accommodate excess air. To remove air from syringe, disconnect and evacuate into a closed container.
  - c. External balloon for 13mm vial access products has a 20cc capacity.
6. **To aspirate drug from vial:** Attach Injector-Syringe assembly to Port. Push straight together until a 'click' is heard and the devices are locked together. Once locked together, the fluid path is activated and contents may be removed from the vial. Invert drug vial and aspirate desired amount of fluid.
  - a. At the beginning of the withdrawal, remove the 1-2cc air bubble from the syringe by gently pushing the air back into the vial when inverted. Continue withdrawal after removing air bubble.
  - b. Do not reinfuse drug volume back into vial when inverted. To push excess volume back into vial, return vial to upright position on flat surface.
  - c. If aspiration is impeded, return vial to upright position and pull back on plunger of syringe slightly. This will clear the air transfer filter and allow for flow.
7. Disconnect ChemoLock Injector-syringe assembly from ChemoLock Port by grasping and pressing the release clips; devices will self-seal at disconnect.

### CAUTIONS:

- The ability to prevent microbial ingress should not be interpreted as modifying, extending, or superseding a manufacturer labeling recommendations for the storage and expiration dating. Refer to drug manufacturer's recommendations and USP compounding guidelines for shelf life and sterility information.
- Reuse negatively impacts performance / sterility potentially resulting in product failure / contamination.
- Do not remove spike from vial.
- Universal, 20mm, and 28mm vial spikes contain polycarbonate and are not compatible with Busulfan.