



ChemoLock™

Needlefree Closed System Transfer Device (CSTD)

Maintain a needlefree closed system to help minimize exposure to hazardous drugs and comply with USP <800>

icumedical
human connections

One Click Is All It Takes

to minimize exposure to hazardous drugs and maintain the sterility of the patient mix

With the ChemoLock needfree CSTD, it has never been easier to keep yourself safe from exposure to hazardous drugs.

Treating cancer patients takes compassion—it shouldn't take a toll on your health. But the fact is, while chemotherapy is the backbone of medical oncology, these powerful medications—along with many others—are extremely toxic to the clinicians who handle them. Prolonged exposure to hazardous drug vapors, drips, or spills has been shown to lead to hair loss, skin rashes, infertility, miscarriages, birth defects, and even forms of cancer. It doesn't have to be that way.¹

The system's automatic self-sealing technology requires no cumbersome assembly, and the bonded components cannot be accidentally disconnected.

In response to the well-documented risks associated with handling hazardous drugs, ICU Medical has developed ChemoLock to create a needlefree, mechanically closed system for the safe handling of hazardous drugs. ChemoLock's intuitive system locks with an audible click, helping to ensure a safe and secure connection has been made to minimize exposure to hazardous drugs and protect the patient preparation from external contamination.

The ChemoLock system's intuitive needlefree, click-to-lock technology maintains a closed system throughout the entire safe handling process to help keep you in compliance with industry safe handling guidelines.



Safely Prepare

The ChemoLock's mechanically closed, needlefree system is designed to help prohibit the escape of hazardous drugs and maintain the sterility of the drugs during preparation.



Safely Transport

The ChemoLock system helps minimize the risk of leaks and spills during the transportation of hazardous drugs from pharmacy to nursing, while also protecting the sterility of the patient preparation.



Safely Administer

The intuitive ChemoLock system is designed to help keep patients and clinicians safe without having to change standard nursing protocols.



Safely Dispose

The ChemoLock system remains mechanically closed all the way through disposal to help eliminate potential drug exposure to you or the environment.

¹ Connor TH, McDiarmid MA. Preventing occupational exposures to antineoplastic drugs in health care settings. CA Cancer J Clin 2006; 56: 354-365.



Safe Handling Starts in the Pharmacy

ChemoLock helps minimize hazardous drug exposure and maximize medication safety

With the ChemoLock system's intuitive click-to-lock technology, you don't have to sacrifice efficiency for patient and clinician safety.

In today's fast-paced pharmacy environment, every second counts and every preparation has to be right. ChemoLock can help. That's because ChemoLock's simple and intuitive needlefree design allows the system to be accessed and sealed with a single motion, reducing the potential for insecure or unsafe connections that may jeopardize clinician and patient safety.

The needlefree, mechanically closed system fits seamlessly into your workflow to help minimize exposure to hazardous medications during reconstitution and preparation, while simultaneously preventing any outside environmental contaminants from getting into the mix.

Used in conjunction with other safety precautions, ChemoLock helps keep you in compliance with USP <800>

The ChemoLock product line includes an assortment of vial spikes, bag spikes, syringe adapters, and other components designed to meet the specific needs of your pharmacy.



ChemoLock helps speed preparation times by eliminating the need to assemble multiple components.



The system snaps together with an audible click to ensure a secure connection—every time.



The ChemoLock system remains closed during transport from pharmacy to nursing, maintaining the drug's sterility while helping to prevent accidental disconnects and enhance patient safety.



Help Safely Administer Hazardous Drugs to Your Patients

ChemoLock is the intuitive way to help ensure compliance and enhance patient and nurse safety

With the ChemoLock system, there is no complex assembly required at the point of care for the system to remain closed throughout administration.

Keeping safe while administering hazardous drugs doesn't need to be complicated. The ChemoLock system's one-step, click-to-lock design helps ensure medication sterility, while eliminating the possibility of accidental disconnects that may result in dangerous exposure to hazardous drugs and increase the risk of central line-associated bloodstream infections. This makes it easier to help ensure compliance with safe handling guidelines while enhancing both nurse and patient safety in the process.

ChemoLock is the first needlefree CSTD to receive FDA 510(k) clearance under ONB and FPA product codes for patient administration, keeping you in compliance with needlefree policies.



An audible click lets you know you've made a secure connection between the administration device and the patient line.



The ChemoLock system's bonded components and locking mechanism help eliminate unsafe disconnects.



With the ChemoLock system's intuitive design, you can focus on caring for patients rather than assembling complex components.



As a completely needlefree technology, the ChemoLock system ensures compliance with your facility's needlefree policies.

Choose the ChemoLock Components that are Right for You

Since all ChemoLock components contain passive self-sealing mechanisms that cannot be deactivated by the user and remain protective from preparation to disposal, it is easy for you to choose the combination of components that best meets your needs.

Here are a few examples to choose from:

Vial Spikes



Vial Spike

Allows access to vials having 20 mm/28 mm closures, and external balloon equalizes pressure for reconstitution



Universal Vented Vial Spike

Large vent offers better flow rates and reliability; skirted configuration available



Vial Spike, 13 mm

Allows for access to small vials with 13 mm closures



Vented Vial Spike, 13 mm

Allows for access to small vials with 13 mm closures and automatically equalizes pressure

Bag Spikes



Bag Spike

For use on any solution container



Bag Spike with Additive Port, Dry Spike

Dedicated lumen for direct access to solution bag and dry spike



Bag Spike with Additive Port

Dedicated lumen for direct access to solution bag

Closed Male Injector



ChemoLock Injector

For use on a syringe or IV tubing

Administration Sets and Components



30" Secondary Set with Integrated ChemoLock Drip Chamber and Bonded Spinning ChemoLock



Bag Spike Adapter with Injector

Allows for pump set preservation when administering multiple compatible drug therapies



ChemoLock Port

For use on patient IV line



40" Secondary Set with In-line Drip Chamber and 2 ChemoLock Injectors with Red Cap

Allows for tubing preservation of secondary set tubing when administering multiple compatible drug therapies



30" Secondary Set with In-line Drip Chamber, Integrated ChemoLock Additive Port and ChemoLock Injector w/Red Cap