

# ChemoClave®

Needlefree Closed Systems and Closed System Transfer Devices

ChemoClave maintains a needlefree closed system to help you minimize exposure to hazardous drugs and comply with recommended safe handling guidelines.



## The Safe and Easy Way to Start Protecting Yourself Today

- › Eliminates the potential for dangerous needlestick injuries
- › Easy-to-use system requires no assembly of components
- › Generates less biohazardous waste<sup>1</sup>
- › Costs less to implement than competing systems<sup>1</sup>

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human connections



# The Most Cost-Effective Way to Start Protecting Yourself Today

With the lowest cost to implement, ChemoClave makes the decision to start improving IV medication safety a whole lot easier.

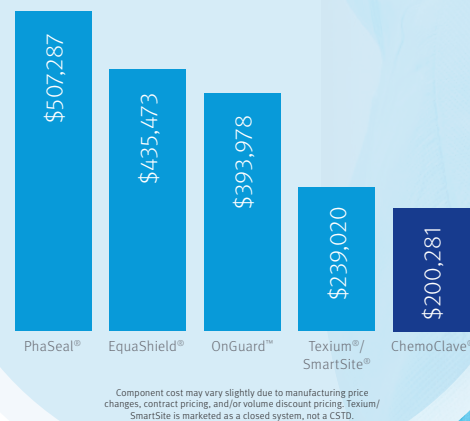
We know that the cost of implementing a CSTD into clinical practice can be a deciding factor in the purchasing process. That's why we developed the ChemoClave needlefree CSTD to not only help you minimize hazardous drug exposure and maximize medication safety, but to do so while costing less to implement than any other commercially available CSTD.<sup>1</sup> The ChemoClave CSTD is comprised of a selection of vial adapters that mechanically prohibit the transfer and escape of environmental contaminants, as well as needlefree bag spikes and primary add-on and administration sets.

ChemoClave maintains a needlefree closed system to help you minimize exposure to hazardous drugs and comply with recommended safe handling guidelines.

The easy-to-use ChemoClave system maintains a needlefree mechanically and microbiologically closed system to eliminate the potential for dangerous needlestick injuries while helping keep clinicians safe from exposure to hazardous drugs. ChemoClave also generates less biohazardous waste than competing systems and helps keep you and your patients safe during every step of the hazardous drug handling process.

Used in conjunction with other safety precautions, ChemoClave helps keep you in compliance with OSHA, NIOSH, ASHP, ISOPP, ONS, APHON, and USP <797>.

Total Annual Costs Associated with Implementing Competing CSTDs<sup>1</sup>



## Safely Prepare

The ChemoClave system maintains a mechanically and microbiologically closed needlefree system during the preparation of hazardous drugs to help keep you safe and comply with recommended guidelines.



## Safely Transport

By maintaining a closed system, ChemoClave helps you prevent leaks and spills during the transport of hazardous drugs from pharmacy to nursing.



## Safely Administer

The ChemoClave system makes it safer for you and your patients by preventing accidental disconnects to minimize drug exposure without having to change any standard nursing protocols.



## Safely Dispose

The ChemoClave system remains mechanically and microbiologically closed all the way through disposal to eliminate potential drug exposure to you or the environment.



# Choose the Right ChemoClave Components for Your IV Medication Safe Handling Needs.

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

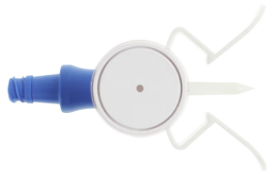
Here are a few examples to choose from:

## 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



### Vented Vial Spike

Dual vents for access to vials with 20 mm closure

## 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



### Vented Bag Spike

For use on solution container that requires venting



### Mini Bag Spike

For use with automated robotic systems, ambulatory and home infusion pumps

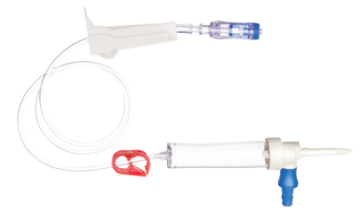
## Closed Male Luer



### Spiros Closed Male Luer

For use on a syringe or administration set; removable configuration available

## Administration Sets & Components

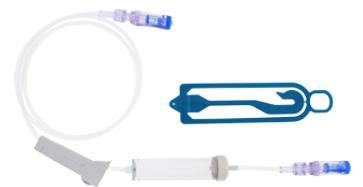


### 30" Secondary Set with Integrated ChemoClave Drip Chamber and Bonded Spinning Spiros



### Bag Spike Adapter with Spiros

Allows for pump set preservation when administering multiple drug therapies



### 40" Secondary Set with In-line Drip Chamber and 2 Spinning Spiros

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