

# Oncology System Solutions

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The only needlefree closed system and automated drug compounding system for the safe handling of hazardous drugs.



**icumedical**  
human connections



## The Risks of Handling Hazardous Drugs

The unsafe handling of hazardous drugs used to treat many forms of cancer has been recognized since the 1970s as a big health hazard to healthcare workers.

The toxicity of hazardous drugs and the dangers of prolonged exposure to them have been proven to cause hair loss, skin rashes, infertility, miscarriage, birth defects, and even leukemia or other forms of cancer in healthcare workers. Studies have shown that healthcare workers can be at risk of exposure to these drugs throughout their life cycle—from manufacturing and distribution to use in the clinical or home care environment and all the way through to waste disposal.

### Our Solution

In response to the well-documented risks associated with handling hazardous drugs, ICU Medical has developed the ChemoClave™ system and the Diana™ Hazardous Drug Compounding System.

The ChemoClave is comprised of the world's only needlefree closed systems and closed system transfer devices for the safe handling of hazardous drugs. The Diana is an automated sterile compounding system for the accurate, safe, and efficient preparation of hazardous drugs.

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# ChemoClave™

Needlefree Closed Systems and Closed System Transfer Devices

The safe and easy way to start protecting yourself today.

The ChemoClave system maintains a mechanically and microbiologically closed needlefree system that is safe, intuitive, and easy to use during every step of the hazardous drug handling process and assures compliance with OSHA, NIOSH, ASHP, ISOPP, ONS, APHON, and USP <797> safe-handling guidelines.

## BENEFITS OF USING THE CHEMOCLAVE SYSTEM:



### Safe Preparation:

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



### Safe Transportation:

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



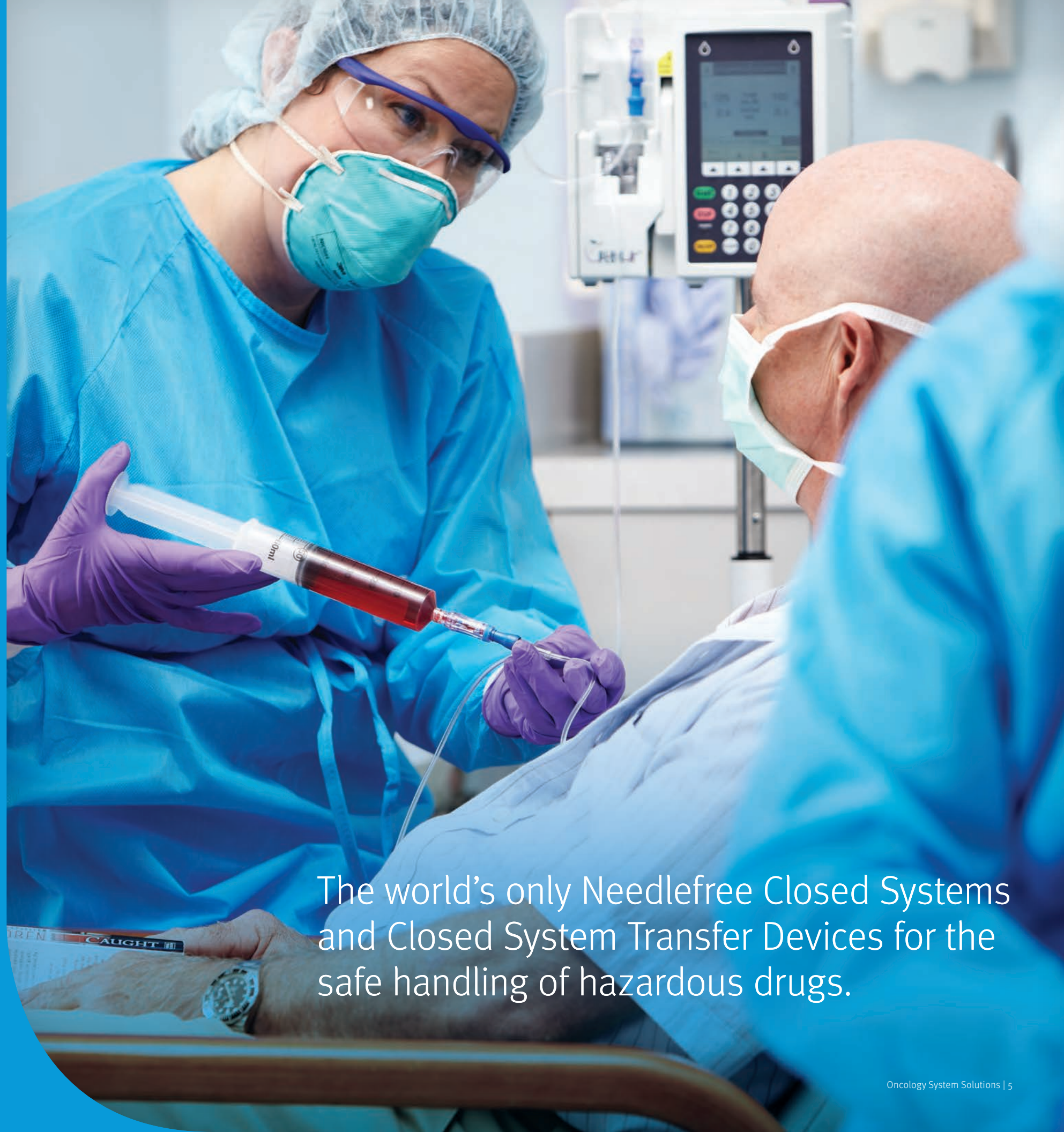
### Safe Administration:

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



### Safe Disposal:

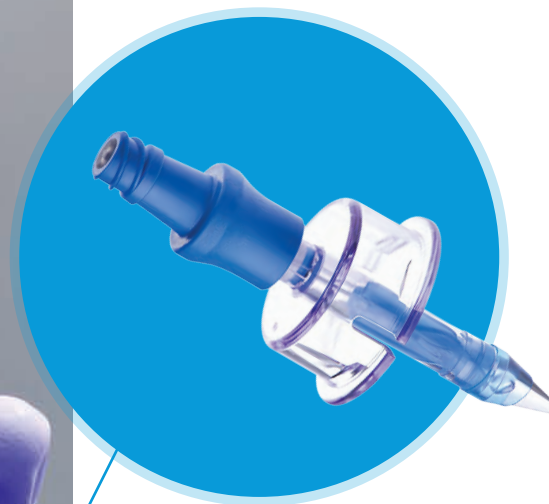
ChemoClave remains mechanically and microbiologically closed all the way through disposal to eliminate potential drug exposure to you or the environment.



The world's only Needlefree Closed Systems and Closed System Transfer Devices for the safe handling of hazardous drugs.



As part of the ChemoClave system, Genie helps enhance healthcare worker safety and comply with OSHA, NIOSH, ASHP, ISOPP, and USP <797> safe-handling guidelines.



## Genie® CSTD Vial Access Device

Reduce your exposure to hazardous aerosols and leaks during drug preparation with Genie, a Closed System Transfer Device.

Closed needlefree vial access device that automatically equalizes drug vial pressure for the safe preparation of hazardous drugs.

- > Facilitates accurate dosing by allowing for complete drug removal from the vial.
- > Reduces aerosols and leaks caused by pressurization when accessing the vial.
- > Needlefree device ensures compliance with needlefree policies.
- > Automatically equalizes vial pressure.

### Available Configurations



20 mm Genie CSTD Vial Spike (CH-77)  
Allows access to vials having 20 mm closures. Automatically equalizes vial pressure with internal balloon.



28 mm Genie CSTD Vial Spike (CH-78)  
Allows access to vials having 28 mm closures. Automatically equalizes vial pressure with internal balloon.

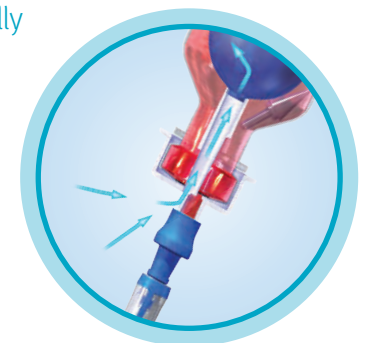
### Single Packs

List Number	Description	Case Qty
CH-77	Genie 20 mm CSTD Vial Spike, Clave®	50
CH-78	Genie 28 mm CSTD Vial Spike, Clave	50

### Multi-packs

List Number	Description	Case Qty
CH-77-5	Genie 20 mm CSTD Vial Spike, Clave, 5 Units	50
CH-77-10	Genie 20 mm CSTD Vial Spike, Clave, 10 Units	50

The Genie is a mechanically and microbiologically closed vial access device that automatically equalizes vial pressure, reducing the potential for aerosols and leaks caused by pressurization when accessing the vial.







# Spiros®

## CSTD Male Luer

Helping Prevent Leaks or Spills of Hazardous Drugs Throughout the Entire Safe Handling Continuum.

Automatically creates a needlefree closed system for the safe mixing, transfer, administration, and disposal of hazardous drugs.

- › Closed system prevents leaks and drug vapor escape in the treatment area.
- › Needlefree device ensures compliance with needlefree policies.
- › Requires no cumbersome assembly of components.
- › Features automatic self-sealing technology.
- › Available with locking spin collar.

### Available Configurations



**Spiros CSTD Male Luer (CH2000)**  
For use on a syringe or administration set.



**Spinning Spiros CSTD Male Luer (CH2000S)**  
For use on a syringe or administration set with locking spin collar.



Spinning and Non-Spinning Spiros CSTD Male Luer configurations are also available with protective caps in Red or Purple.

### Single Packs

List Number	Description	Case Qty
CH2000S	Spinning Spiros CSTD Male Luer	100
CH2000S-C	Spinning Spiros CSTD Male Luer, Red Cap	50
CH2000S-PC	Spinning Spiros CSTD Male Luer, Purple Cap	50
CH2000S-PCP	Spinning Spiros CSTD Male Luer, Purple Cap, Priming Cap	50
CH2000	Spiros CSTD Male Luer	100
CH2000-C	Spiros CSTD Male Luer, Red Cap	50
CH2000-PC	Spiros CSTD Male Luer, Purple Cap	50
CH2000-PCP	Spiros CSTD Male Luer, Purple Cap, Priming Cap	50

### Multi-packs

List Number	Description	Case Qty
CH2000S-10	Spinning Spiros CSTD Male Luer, 10 Units	50
CH2000SC-10	Spinning Spiros CSTD Male Luer, Red Cap, 10 Units	50
CH2000-10	Spiros CSTD Male Luer, 10 Units	50
CH2000PC-10	Spiros CSTD Male Luer, Purple Cap, 10 Units	50



# Vial Access Devices

ChemoClave vial access devices are designed to minimize the potential for any dangerous exposure to hazardous drugs by maintaining a closed needlefree system.

ChemoClave vial access devices for the safe preparation of hazardous drugs.

## Closed Vial Access Devices



CH-74™ Protected Filter Vial Access Device (CH-74)

Needlefree vial access device prevents filter blockage and drug loss during preparation.

Also available in skirted configuration (CH-74S).



Locking Universal Vented Vial Access Device (CH-70)

Locking arms with large vent offers better flow rates and reliability.



Universal Vented Vial Access Device (CH-51)

Dual vents for access to vials with 20 mm closure.



13 mm Vented Vial Access Device (CH-72)

Allows for use with Busulfan.



50 mL Vented Vial Access Device (CH-61)

Locking skirt with .22 micron vent.

## Closed System Transfer Devices



20 mm Genie CSTD Vial Spike (CH-77)

Allows access to vials having 20 mm closures. Automatically equalizes vial pressure with internal balloon.



28 mm Genie CSTD Vial Spike (CH-78)

Allows access to vials having 28 mm closures. Automatically equalizes vial pressure with internal balloon.



13 mm CSTD Vial Access Device (CH-62)

Allows for access to small vials with 13 mm closures.



Universal CSTD Vial Access Device (CH-50)

Allows for access to vials with 20 mm–28 mm closure.

## Single Packs

List Number	Description	Case Qty
CH-77	Genie 20 mm CSTD Vial Spike, Clave	50
CH-78	Genie 28 mm CSTD Vial Spike, Clave	50
CH-62	13 mm CSTD Vial Spike, Clave	50
CH-50	Universal CSTD Vial Spike, Clave	50
CH-100	Clave Connector Multidose Vial Adapter	50
CH-74	Protected Filter Vial Access Device*	50
CH-74S	Protected Filter Vial Access Device with Skirt*	50
CH-70	Locking Universal Vented Vial Spike, Clave*	50
CH-51	Universal Vented Vial Spike, Clave*	50
CH-72	13 mm Vented Vial Spike with Tritan, Clave*	50
CH-61	50 mL Vial Adapter with .22 Micron Vent and Clave*	50

\* Closed system component, not considered part of a closed system transfer device (CSTD) as defined by NIOSH.

## Multi-packs

List Number	Description	Case Qty
CH-77-5	Genie 20 mm CSTD Vial Spike, Clave, 5 Units	50
CH-77-10	Genie 20 mm CSTD Vial Spike, Clave, 10 Units	25
CH-74-10	Protected Filter Vial Access Device, 10 Units*	25
CH-70-5	Locking Universal Vented Vial Spike, Clave, 5 Units*	50
CH-70-10	Locking Universal Vented Vial Spike, Clave, 10 Units*	25
CH-51-10	Universal Vented Vial Spike, Clave, 10 Units*	50

\* Closed system component, not considered part of a closed system transfer device (CSTD) as defined by NIOSH.

# Bag Spikes

ChemoClave offers a variety of bag spikes to eliminate the spiking of hazardous drugs at patient bedside.

ChemoClave bag spikes enable safe injection of liquids into the IV bag for safe administration.

## Bag Spikes



Clave CSTD Bag Spike (CH-10)

For use on any solution container.



Bag Spike CSTD with Clave Additive Port and Dry Spike (CH-12)

Dedicated lumen for direct access to solution bag with dry spike to pump set.



Bag Spike CSTD with Clave Additive Port (CH-13)

Dedicated lumen for direct access to solution bag.



Mini Clave CSTD Bag Spike (CH-17)

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



Vented Clave Bag Spike (CH-14)

For use on solution container that requires venting.



Bag Spike CSTD with Clave Additive Port and Clave connection (CH3340)

Dedicated lumen for direct access to solution bag with Clave connection to pump solution.



Clave Bag Spike with Check Valve (CH-15)

For use on solution container that requires venting with a check valve.

## Single Packs

List Number	Description	Case Qty
CH-10	Bag Spike, Clave CSTD	50
CH-12	Bag Spike CSTD with Clave Additive Port and Dry Spike Adapter	50
CH-13	Bag Spike CSTD with Clave Additive Port	50
CH-17	Mini Bag Spike, Clave CSTD	50
CH-14	Vented Bag Spike, Clave*	50
CH3340	Bag Spike CSTD with Clave Additive Port and Clave	50
CH-15	Bag Spike, Check Valve, Clave*	50

\* Closed system component, not considered part of a closed system transfer device (CSTD) as defined by NIOSH.

## Multi-packs

List Number	Description	Case Qty
CH-10-5	Bag Spike, Clave CSTD, 5 Units	50
CH-10-10	Bag Spike, Clave CSTD, 10 Units	25
CH-12-5	Bag Spike CSTD with Clave Additive Port and Dry Spike Adapter, 5 Units	50
CH-13-10	Bag Spike CSTD with Clave Additive Port, 10 Units	25

# Administration Set Solutions

ChemoClave offers a variety of administration set solutions to meet your clinical needs. The Spiros is available as a bonded component on secondary sets to eliminate unsafe disconnections.

## Secondary Administration Sets



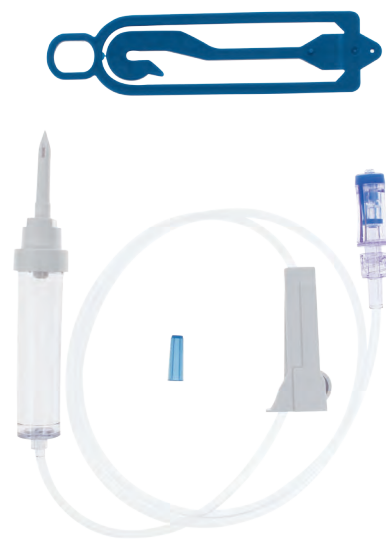
30" Secondary Set with Integrated Clave Drip Chamber and Bonded Spinning Spiros (CH3011)



40" Secondary Set with In-line Drip Chamber and Bonded Spinning Spiros (CH3029)



40" Secondary Set with In-line Drip Chamber and 2 Spinning Spiros (CH3020)



41" Secondary Set with Drip Chamber and Bonded Spinning Spiros (CH3025)

## Secondary Administration Sets

List Number	Description	Case Qty
CH3011	30" (76 cm) Non-DEHP Admin Set with 20 Drop Integrated Clave Drip Chamber, Spiros, Hanger	25
CH3011-C	30" (76 cm) Non-DEHP Admin Set with 20 Drop Integrated Clave Drip Chamber, Spiros with Drop-in Red Cap, Hanger	25
CH3020	40" (102 cm) Admin Set with 2 Spiros, 20 Drop In-line Drip Chamber, Bag Hanger, Non-DEHP Tubing	50
CH3029	40" (102 cm) 20 Drop Admin Set with In-line Drip Chamber, Spiros, Bag Hanger, Rotating Luer, Non-DEHP Tubing	50
CH3128	30" (76 cm) 20 Drop Admin Set with Integrated Clave Drip Chamber, 0.2 Micron Filter, Spiros, Hanger, Non-DEHP Tubing	50
CH3054	40" (102 cm) 20 Drop Admin Set, Drip Chamber with Integrated Clave, Spiros, Hanger, Non-DEHP Tubing	50
CH3025	41" Secondary Set with Drip Chamber and Bonded Spinning Spiros	25

## Multi-packs

List Number	Description	Case Qty
CH3300-C	CH3011 as a 4 Pack, with Red Cap	50
CH3264	4 Pack – 36" Secondary Sets with Drip Chamber and Bonded Spiros	50

## Add-on Sets



5" Add-on Set with Bonded Spiros (CH3034)  
Add-on Set to administer multiple drugs with a single, one-piece add-on set.



14" Bifuse Add-on Set with Bag Spike, Bonded Spinning Spiros (CH3033)  
Bifuse Add-on Set allows to hang multiple drug bags.

## Add-on Sets

List Number	Description	Case Qty
CH3034	5" (13 cm) Bag Spike Adapter with Spiros, Vented Cap, Non-DEHP Tubing	50
CH3033	14" (36 cm) Bifuse Add-on Set with Bag Spike, Spiros, Vented Cap, Non-DEHP Tubing	50
CH3266	17" (43 cm) Trifuse Add-on Set with 2 Spiros, Bag Spike, 3 Clamps (Blue, 2 Red), Plug Adaptor, Non-DEHP Tubing	50

## Primary/Gravity Sets

List Number	Description	Case Qty
CH3311	100" (254cm) 15 Drop Primary Set with Integrated Clave Drip Chamber, BCV-Clave, Spiros, Non-DEHP Tubing	50
CH3050	75" (191 cm) 20 Drop Bifuse Admin Set with In-line Chamber, Clave Spike, Clave, Rotating Luer with Filter Cap, Non-DEHP Tubing	25
CH3051	75" (191 cm) 20 Drop Trifuse Admin Set with In-line Chamber, 3 Clave Spike, Clave, Rotating Luer with Filter Cap, Non-DEHP Tubing	25

## Primary/Gravity Sets



100" 15 Drop Primary Set with Integrated Clave Drip Chamber, BCV-Clave, Spiros, Non-DEHP Tubing (CH3311)



75" 20 Drop Bifuse Admin Set with In-line Chamber, Clave Spike, Clave, Rotating Luer with Filter Cap, Non-DEHP Tubing (CH3050)



# Pediatric Solutions

With ChemoClave, you can eliminate needlestick injuries and reduce exposure to hazardous drugs during administration, without changing standard nursing protocols.

The Spiros is available as a bonded component on sets and will automatically self-seal and close at disconnect.

## Available Sets

List Number	Description	Case Qty
CH3327	30" (76 cm) Smallbore Extension Set with 2 Spiros with 2 Red Caps, Clamp, Non-DEHP Tubing	50
CH3110	5" (13 cm) Smallbore Extension Set with Spiros, Non-DEHP Tubing	50
CH3244	45" (114 cm) Smallbore Extension Set with Spiros, Clamp, Rotating Luer, Non-DEHP Tubing	50
CH3331	60" (152 cm) Smallbore Extension Set with MicroClave Clear®, Spiros, Clamp, Non-DEHP Tubing	50
CH3250	45" (114 cm) Smallbore Extension Set with Anti-Siphon Valve, Spiros, Clamp, Rotating Luer, Non-DEHP	50
CH3147	60" (152 cm) Smallbore Extension Set with MicroClave®, Clamp, Spiros- Non-DEHP Tubing	50
CH-33	Double MicroClave® Syringe Transfer Set	50



60" Smallbore Extension Set with MicroClave Connector and Spiros (CH3147)

# Home Infusion Solutions

ChemoClave system offers safe, easy solutions to fit your clinical needs. Standard and custom solutions available.

## Available Sets for Home Infusion

List Number	Description	Case Qty
CH3147	60" (152 cm) Smallbore Extension Set with MicroClave, Clamp, Spiros, Non-DEHP Tubing	50
CH3147-C	60" (152 cm) Smallbore Extension Set with MicroClave, Clamp, Spiros with Red Cap, Non-DEHP Tubing	50
CH3307	12" (30 cm) Add-on Set with Clave Spike, Vented Cap, Non-DEHP Tubing	50
CH-33	Double MicroClave Syringe Transfer Set	50
CH3034	5" (13 cm) Bag Spike Adapter with Spiros, Vented Cap, Non-DEHP Tubing	50
CH-10	Bag Spike, Clave	50



12" Add-on Set with Clave Spike (CH3307)

## Available Kits for Ambulatory Pumps

List Number	Description	Case Qty
CH3377	Oncology Kit with 12" (30 cm) Add-on Set with Clave Spike, Vented Cap, Non-DEHP Tubing, Drop-in Spiros with Red Cap, Double MicroClave	50
CH3336	60" (152 cm) Smallbore Ext Set with Spiros, Clave, Clamp, Rotating Luer, Drop-in Double MicroClave, Non-DEHP Tubing	50

# Intravesical Administration Device & Sets

Creates a needlefree closed system for the safe administration of Bacillus Calmette-Guerin (BCG) and other intravesical drug therapies.

Helping prevent leaks or spills of hazardous intravesical agents with custom design configurations.

## Available Sets



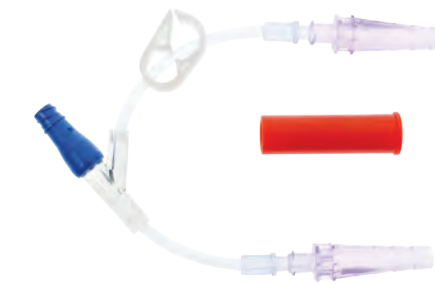
Graduated Adapter with Clave (CH3900)



7" Extension Set with Clave and Graduated Adaptor (CH3198)



9.5" Extension Set with Y-Clave and Graduated Adaptor (CH3196)



8" Extension Set with Y-Clave and 2 Graduated Adaptors (CH3907)

## Available Sets

List Number	Description	Case Qty
CH3900	Graduated Adapter with Clave	50
CH3198	7" (18 cm) Extension Set with Clave, Clamp, Graduated Connector, Non-DEHP Tubing	50
CH3196	9.5 (24 cm) Extension Set with Clave, Graduated Connector, Clamp, Non-DEHP Tubing	50
CH3907	8" (20 cm) Extension Set with Clave, 2 Graduated Connectors, Clamp, Drop-in Adapter, Non-DEHP Tubing	50
CH3324	Intravesical Administration Kit (Contents: 1-Spiros CSTD Male Luer with Cap for mixing and will stay on syringe with drug to transfer for administration, 1-Extension Set with Bonded Graduated Adaptor and Clave)	50





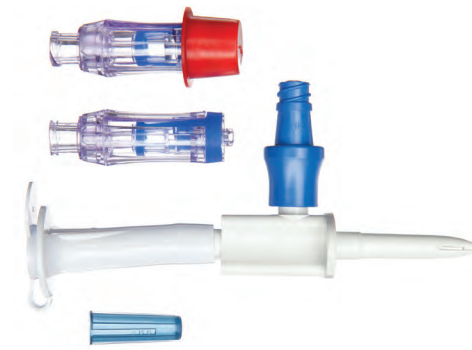


# Specialty Kits

A complete line of pre-packaged, needlefree oncology solutions that are safe and easy to use during the entire hazardous drug handling process.

ChemoClave Specialty Kits provide everything needed to prepare and administer hazardous drugs with needlefree components in easy-to-access packaging. Save time, space, and money while keeping you and your patients safe from accidental exposure.

## Available Specialty Kits



### Primary IV Kit (CH3321)

The components in this kit allow you to turn your current primary set into a closed system. This kit has been designed to be used with any standard pump or primary set.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) Spinning Spiros CSTD Male Luer with Cap
- (1) Bag Spike with Clave Additive Port and Dry Spike Adaptor
- (1) Priming Cap with Cap

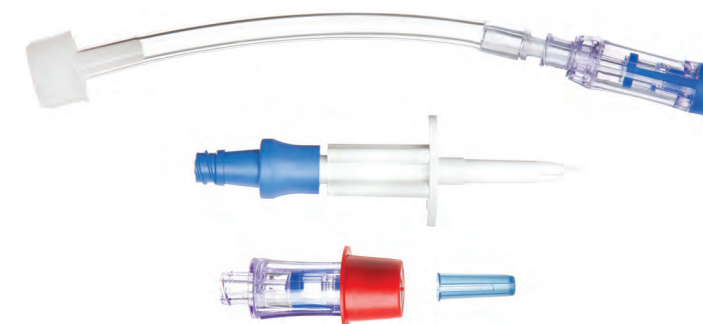


### Secondary IV Kit (CH3322)

This kit allows you to create a closed system to protect against spills and leaks during preparation, transport, administration, and disposal, eliminating the need to spike and unspike bags on the nursing floor.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) Priming Cap
- (1) Bag Hanger
- (1) 30" Administration Set with Integrated Clave Drip Chamber and Bonded Spinning Spiros with Cap



### Primary Multi-drug IV Kit (CH3258)

Saving you time in administration and reducing the expense of additional tubing, this set lets you safely administer multiple drugs with a single one-piece add-on set.

Contents:

- (1) Spiros CSTD Male Luer with Cap
- (1) Clave Bag Spike
- (1) 6" Add-on Set with Bonded Spiros
- (1) Priming Cap



Available Specialty Kits (Continued)



**Bifuse Kit (CH3329)**

The piggyback arm of this set has an integral spinning Spiros CSTD Male Luer that maintains a closed point of access allowing you to hang multiple drug bags.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) Spinning Spiros CSTD Male Luer with Cap (for administration)
- (1) Priming Cap
- (1) 14" Bifuse Add-on Set with Bag Spike, Bonded Spinning Spiros with Protective Cap and 3 Clamps

**Bifuse Kit (CH3156)**

The piggyback arm of this set has an integral spinning Spiros CSTD Male Luer that maintains a closed point of access allowing you to hang multiple drug bags.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) Priming Cap
- (1) 14" Bifuse Add-on Set with Bag Spike, Bonded Spinning Spiros CSTD Male Luer with Protective Cap and 3 Clamps



**Taxol IV Kit (CH3323)**

This kit contains DEHP-free tubing to prevent leaching and an in-line .2 micron filter to meet Taxol's manufacturer's recommendations.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) Spinning Spiros CSTD Male Luer with Cap (for administration)
- (1) Bag Spike with Clave Additive Port and Dry Spike Adaptor
- (1) Non-DEHP 8" Extension Set with In-line .2 Micron Filter
- (1) Priming Cap



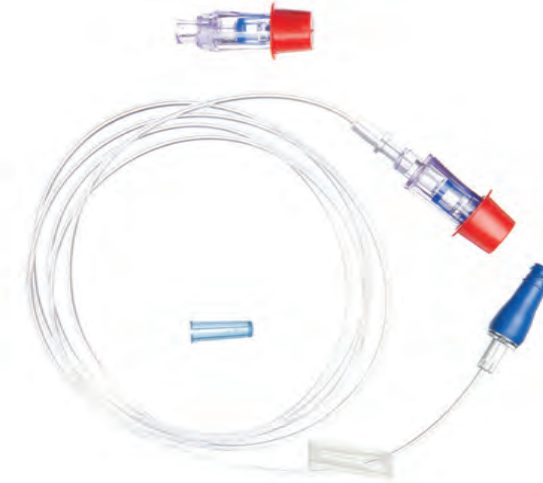
**Intravesical Administration Kit (CH3324)**

Allowing you to safely mix and administer mitomycin and other intravesical drug therapies with a closed connection.

Contents:

- (1) Spiros CSTD Male Luer with Cap (for mixing and will stay on syringe with drug to transfer for administration)
- (1) Extension Set with Bonded Graduated Adaptor and Clave

Available Specialty Kits (Continued)



**Syringe Pump Kit (CH3325)**

Safely administer hazardous drugs with any syringe pump. This kit creates a safe closed system during preparation and administration.

Contents:

- (1) Spinning Spiros CSTD Male Luer with Cap (for mixing and will stay on syringe with drug to transfer for administration)
- (1) Priming Cap
- (1) 60" Small-bore Extension Set with MicroClave Needlefree Connector and Bonded Spiros with Cap



**FOLFOX Kit (CH3326)**

Safely administer multiple drug regimens with one administration set.

Contents:

- (1) Spinning Spiros CSTD Male Luer (for mixing)
- (1) 114" Trifuse Primary Set with (3) Bonded Spinning Spiros with Caps, (3) 20 Drop In-line Drip Chambers with Y-Clave
- (3) Priming Caps
- (1) Bag Hanger

Kits

List Number	Description	Case Qty
CH3321	Primary IV Kit (Contents: 1-Spinning Spiros CSTD Male Luer for mixing, 1-Spinning Spiros CSTD Male Luer with Cap, 1-Bag Spike with Clave Additive Port and Dry Spike Adaptor, 1-Priming Cap)	50
CH3322	Secondary IV Kit (Contents: 1-Spinning Spiros CSTD Male Luer for mixing, 1-30" Administration Set with Integrated Clave Drip Chamber and Bonded Spinning Spiros with Cap, 1-Priming Cap, 1-Bag Hanger)	50
CH3258	Primary Multi-drug IV Kit (Contents: 1-Spiros CSTD Male Luer with Cap, 1-Clave Bag Spike, 1-6" Add-on Set with Bonded Spiros, 1-Priming Cap)	50
CH3329	Bifuse Kit (Contents: 1-Spinning Spiros CSTD Male Luer for mixing, 1-Spinning Spiros with Cap for Administration, 1-14" Bifuse Add-on Set with Bag Spike, Bonded Spinning Spiros CSTD Male Luer with Protective Cap and 3 Clamps, 1-Priming Cap)	50
CH3156	Bifuse Kit (Contents: 1-Spinning Spiros CSTD Male Luer for mixing, 1-14" Bifuse Add-on Set with Bag Spike, Bonded Spinning Spiros with Protective Cap and 3 Clamps, 1-Priming Cap)	50
CH3323	Taxol IV Kit (Contents: 1-Spinning Spiros CSTD Male Luer for mixing, 1-Spinning Spiros CSTD Male Luer with Cap for Administration, 1-Bag Spike with Clave Additive Port and Dry Spike Adaptor, 1-Non-DEHP 8" Extension Set with in-line .2 Micron Filter, 1-Priming Cap)	50
CH3324	Intravesical Administration Kit (Contents: 1-Spiros CSTD Male Luer with Cap for mixing and will stay on syringe with drug to transfer for administration, 1-Extension Set with Bonded Graduated Adaptor and Clave)	50
CH3325	Syringe Pump Kit (Contents: 1-Spinning Spiros CSTD Male Luer with Cap for mixing and will stay on syringe with drug to transfer for administration, 60" Small-bore Extension Set with MicroClave Needlefree Connector and Bonded Spiros with Cap, 1-Priming Cap)	50
CH3326	FOLFOX Kit (Contents: 1-Spiros CSTD Male Luer with Cap for mixing, 1-114" Trifuse Primary Set with (3) Bonded Spinning Spiros with Caps, (3) 20 Drop In-line Drip Chambers with Y-Clave, 3-Priming Caps, 1-Bag Hanger)	25



# ChemoClave Accessories

## Home Infusion Set



Double MicroClave Syringe Transfer Set (CH-33)



Double MicroClave Syringe Transfer Set with Check Valve (CH3259)



Clave Locking Blunt Cannula (CH9125)

For use on Pre-slit Ports

## Spiros Caps



Red Protective Cap (CH-CAP)



Purple Protective Cap (CH-CAP-P)

## Single Packs

List Number	Description	Case Qty
CH-33	Double MicroClave Syringe Transfer Set	50
CH9125	Clave with Locking Blunt Cannula	50
CH3259	Double MicroClave (Red Ring) Syringe Transfer Set with Check Valve	50
CH-CAP	Cap, Sterile	50
CH-CAP-P	Purple Cap, Sterile	50

## Multi-packs

List Number	Description	Case Qty
CH-CAP5	Cap, Sterile, 5 Units	50
CH-CAP10	Cap, Sterile, 10 Units	50
CH-CAP5-P	Purple Cap, Sterile, 5 Units	50





# Diana™

## Hazardous Drug Compounding System

Accurate, safe, and efficient hazardous drug compounding technology right at your fingertips.

- ● USER-CONTROLLED AUTOMATED COMPOUNDING FOR MAXIMUM ACCURACY AND SAFETY  
Unlike automated technologies that require huge investments and do not fit within existing workflows, the Diana system cost-effectively keeps pharmacists and technicians in control of the compounding process from beginning to end.
- ● CLOSED SYSTEM ASSURES SAFETY OF CLINICIANS AND THE STERILITY OF THE MIX  
The Diana system fits under the hood of your biological safety cabinet and protects clinicians from exposure to hazardous drugs and accidental needlesticks while protecting the patient preparation from exposure to environmental contaminants.
- ● REDUCES RISK OF REPETITIVE STRESS INJURIES  
Free up pharmacists and technicians from many of the repetitive motions required during preparation and reconstitution and reduce the stresses and injuries that can occur as a result.
- ● INCREASES EFFICIENCIES AND REDUCES DRUG WASTE  
By helping you improve the efficiency of high-volume compounding, the Diana system can deliver workflow efficiencies while helping you reduce drug waste by extracting every drop of drug from every container.



**Accurate**  
Repeatable accuracy from a user-controlled, automated system that is so reliable, it only requires calibration once a year.

**Safe**  
Keeping clinicians and patients safe from exposure to hazardous drugs and accidental needlesticks, the Diana system also helps you maintain drug sterility.

**Efficient**  
Perfect for low- and high-volume preparations, the Diana system also minimizes repetitive motion stresses, making filling elastomeric pumps quick and painless.

The new standard in accuracy, safety, and efficiency for sterile hazardous drug compounding.





# Diana™

## Hazardous Drug Compounding System

Automated sterile compounding for the accurate, safe, and efficient preparation of hazardous drugs.

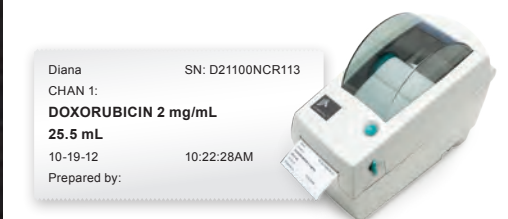
- › User-controlled, automated system for repeatable accuracy.
- › Significantly reduces exposure to hazardous drugs.
- › Minimizes repetitive motion stresses.
- › Helps maintain drug sterility.

### Available Configurations

List Number	Description	Case Qty
CH5000	Diana Hazardous Drug Compounding System	1

User-controlled automation that keeps pharmacists and technicians in control of the entire compounding process from beginning to end.

### Traceability Features



### Customizable Drug List for Improved Preparation Traceability

The Diana system lets you choose from a pre-loaded list of 100 drugs that can be customized to meet your specific needs, giving you enhanced traceability, improved documentation, and complete validation of each preparation.

### Providing a Complete Record of Each Preparation

After each mix is completed, the Diana system sends the medication name, volume, time, and date to a printer that creates a label containing preparation information to complement your validation and quality assurance process and help prevent medication errors.





# Diana System Preparation Sets

A completely closed system takes contamination out of the equation.

The Diana system's proprietary enabling technology includes pre-packaged preparation sets and ICU Medical's clinically proven simple, safe, and secure ChemoClave needlefree closed devices to help enhance healthcare worker safety and comply with OSHA, NIOSH, ASHP, ISOPP, ONS, APHON, and USP <797>.



Channel One Cassette (CH4000)  
with 20 mL syringe.



Channel Two Diluent Set (CH4001)  
with 50 mL syringe, drip chamber, and two Spiros.



Channel Two Diluent Set (CH4002)  
with 50 mL syringe, drip chamber, bag spike, and one Spiro.



Channel Two Diluent Set (CH4004)  
with 50 mL syringe, drip chamber, bag spike, and one MicroClave Clear.

## Single Packs

List Number	Description	Case Qty
CH4000	Channel One Cassette with 20 mL Syringe	50
CH4001	Channel Two Diluent Set with 50 mL Syringe, Drip Chamber, and Two Spiros	25
CH4002	Channel Two Diluent Set with 50 mL Syringe, Drip Chamber, Bag Spike, and One Spiros	25
CH4003	Channel Two Diluent Set with 50 mL Syringe, Drip Chamber, Spiros, and One MicroClave Clear	25
CH4004	Channel Two Diluent Set with 50 mL Syringe, Drip Chamber, Bag Spike, and One MicroClave Clear	25





# Diana System Components

Needlefree mechanically and microbiologically closed components enabling safe fluid transfer and enhanced drug sterility preservation.

The microbiologically and mechanically closed design of the Diana system is accomplished through a series of innovative needlefree components that attach to all containers that are dispensing or receiving a drug in the compounding process to protect the patient preparation from exposure to environmental contaminants while protecting the clinician from both exposure to the drug and accidental needlesticks.

## Vial Access Devices



20 mm Genie CSTD Vial Spike (CH4077)  
Allows access to vials having 20 mm closures. Automatically equalizes vial pressure with internal balloon.



28 mm Genie CSTD Vial Spike (CH4078)  
Allows access to vials having 28 mm closures. Automatically equalizes vial pressure with internal balloon.



CH-74™ Protected Filter Vial Access Device (CH-74)  
Needlefree vial access device prevents filter blockage and drug loss during preparation. Also available in skirted configuration (CH-74S).



Locking Universal Vented Vial Access Device (CH-70)  
Locking arms with large vent offers better flow rates and reliability.

## Additional Components



Double MicroClave Syringe Transfer Set (CH-33)

## Closed Male Luers



Spiros CSTD Male Luer  
For use on a syringe or administration set.



Spinning Spiros CSTD Male Luer  
For use on a syringe or administration set with locking spin collar.

## Bag Spikes



Clave CSTD Bag Spike (CH-10)  
For use on any solution container.

## Single Packs

List Number	Description	Case Qty
CH4077	Genie 20 mm CSTD Vial Spike, Clave, Glow Ring	50
CH4078	Genie 28 mm CSTD Vial Spike, Clave, Glow Ring	50
CH-74	Protected Filter Vial Access Device*	50
CH-74S	Protected Filter Vial Access Device with Skirt*	50
CH-70	Locking Universal Vented Vial Spike, Clave*	50
CH-33	Double MicroClave Syringe Transfer Set	50
CH2000S	Spinning Spiros CSTD Male Luer	100
CH2000	Spiros CSTD Male Luer	100
CH-10	Bag Spike, Clave CSTD	50

\* Closed system component, not considered part of a closed system transfer device (CSTD) as defined by NIOSH.

Diana takes the variation out of manual drug preparation practice and lets you create a repeatable sterile preparation and safe handling process.





# Printer, Accessories & Replacement Parts

The Diana Printer Kit is one of our more popular accessories. The print label reports improve the traceability of each and every preparation to help pharmacists manually verify the right drug and right quantity was dispensed, without impacting technician compounding workflow and productivity.

## Printer & Printer Parts



Diana Printer Kit (CH5100)  
includes Printer, Serial Cable, and Thermolabel Roll



Thermolabel Rolls (CH5201) Case of 12 Rolls  
Serial Cable (CH5102)

## Accessories



Cassette Rack (CH5203)



Combination Holder, Channel One (CH5202)



Bag Holder (Long), Channel One (CH5204)



Bag Holder (Pump), Channel One (CH5205)



Universal Bottle Holder with Basket (CH5011)

## Single Packs

List Number	Description	Case Qty
CH5100	Diana Printer Kit (includes Printer, Serial Cable, and Thermolabel Roll)	1
CH5102	Serial Cable	1
CH5201	Thermolabel Rolls, Case	12
CH5011	Universal Bottle Holder with Basket	1
CH5202	Combination Holder, Channel One	1
CH5203	Cassette Rack	1
CH5204	Bag Holder (Long), Channel One	1
CH5205	Bag Holder (Pump), Channel One	1
CH5150	Diana System Manager Kit (includes Diana System Manager and RS-232 Female-Male Serial Cable)	1
CH5301	Knurled Screw, Channel One	1
CH5302	Knurled Screw, Channel Two	1
CH5006	Fuse 5 x 20 mm, 2A Slo-Blo	2

## Replacement Parts



Diana User Manual, English (CH5005)



Foot Pedal (CH5002)



External Liquid Sensor (CH5004)



Power Cable (CH5013)



Bag Holder (Std) (CH5010)  
For Channel One



Bag Holder (Swivel) (CH5014)  
For Channel One



Knurled Screw (CH5301)  
For Channel One



Knurled Screw (CH5302)  
For Channel Two



Vertical Bag Holder (CH5000)  
For Channel One



Universal IV Hanger (CH5012)



Rod 290 mm (CH5003)



2A Slo-Blo Fuse (CH5006)  
Qty 2: Fuse 5 x 20 mm, 2A Slo-Blo

## Single Packs

List Number	Description	Case Qty
CH5002	Foot Pedal	1
CH5003	Rod 290 mm	1
CH5004	External Liquid Sensor	1
CH5005	Diana User Manual, English	1
CH5009	Vertical Bag Holder, Channel One	1
CH5010	Bag Holder (Std), Channel One	1
CH5012	Universal IV Hanger, IV Fixture	1
CH5013	Power Cable, USA	1
CH5014	Bag Holder (Swivel), Channel One	1
CH5301	Knurled Screw, Channel One	1
CH5302	Knurled Screw, Channel Two	1
CH5006	Fuse 5 x 20 mm, 2A Slo-Blo	2



