IV Medication
Safe Handling Systems

Easy-to-use needlefree systems for the safe preparation and administration of IV medications
Keep yourself and your patients safe with easy-to-use, needlefree technology designed to minimize exposure to hazardous drugs and maintain drug sterility.

It’s no secret that intravenous (IV) medications, including the powerful medications used for treating cancer, are essential to patient care, but if not handled properly, clinicians may be at risk for dangerous exposure to hazardous drugs and needlestick injuries. At the same time, the possibility of drug contamination or inaccurate measurements during preparation may jeopardize patient safety.

Maximize Medication Safety Every Step of the Way
with the world’s most comprehensive IV medication safe handling solutions.

Keep yourself and your patients safe with easy-to-use, needlefree technology designed to minimize exposure to hazardous drugs and maintain drug sterility.

From manual drug preparation to user-controlled compounding automation, our safe handling systems help maximize clinician and patient safety while fitting seamlessly into your workflow.

We know that efficiency shouldn’t have to come at the expense of clinician and patient safety. That’s why we developed a full line of IV medication safe handling solutions that complement your workflow, not complicate it. These convenient needlefree solutions maintain mechanically and microbiologically closed systems to prevent the escape of hazardous drugs while eliminating the risk of needlestick injury and helping you comply with recommended guidelines.

Diana™ Automated Drug Compounding System
Safely prepare hazardous and non-hazardous medications while reducing the risk of repetitive stress injuries.

ChemoClave® Needlefree Closed Systems and Closed System Transfer Devices
Cost-effectively keep yourself safe from exposure to hazardous drugs with familiar, luer-based technology.

ChemoLock® Needlefree Closed System Transfer Device (CSTD)
Minimize exposure to hazardous drugs with intuitive “click to lock” technology that fits seamlessly into your workflow.
Safely Prepare Hazardous Drugs

With the ChemoLock CSTD, one click is all it takes to minimize exposure to hazardous drugs and maximize medication safety.

ChemoLock’s easy-to-use, membrane-to-membrane needlefree system locks with a single motion and an audible click, ensuring a safe and secure connection has been made to minimize exposure to hazardous drugs and protect the patient preparation from external contamination.

› Ensures compliance by requiring proprietary bonded components for system activation
› Snaps together with a single motion and an audible click
› Eliminates the potential for dangerous needlestick injuries
› Speeds preparation times by eliminating the need to assemble multiple components

Safely Administer To Your Patients

Used in conjunction with other safety precautions, ICU Medical CSTDs help keep you in compliance with OSHA, NIOSH, ASHP, ISOPP, ONS, APHON, USP <797>, and USP <800>.

ChemoClave uses intuitive, luer-based technology to help you cost-effectively minimize exposure to hazardous drugs and comply with recommended guidelines.

The ChemoClave CSTD is comprised of a selection of vial adapters that mechanically prohibit the transfer and escape of environmental contaminants, as well as a selection of needlefree bag spikes and primary add-on and administration sets.

› Eliminates the potential for dangerous needlestick injuries
› Easy-to-use system requires no assembly of components
› Generates less biohazardous waste
› Costs less to implement than competing systems
Automate Your Workflow
With Breakthrough Sterile Drug Compounding Technology

Introducing Diana, the first user-controlled automated compounding system with barcode scanning for the safe preparation of IV medications, including hazardous drugs.

•• User-Controlled Automated Compounding for Maximum Accuracy and Safety
The Diana system complements your existing workflows and reduces the risk of human data entry error while cost-effectively keeping 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 in your laminar flow hood and protects clinicians from exposure to 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.

Automated workflow traceability keeps your compounding process in compliance from beginning to end.

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 up to five labels containing preparation information to complement your validation and quality assurance process, help prevent medication errors, and provide a record of past preparations.

Reducing Human Data Entry Error
The Diana system’s barcode scanner references a library of over 6500 unique injectable drug names and concentrations to help minimize data entry errors while giving you enhanced traceability, improved documentation, and complete validation of each preparation.

Improve the efficiency of your batch filling process
The unique features of the Diana system facilitate high-volume compounding of IV medications, allowing you to improve your existing batch filling process to be more accurate, safe, and efficient.

› Diana accepts any size syringe for batch filling of operating room anesthesia or Patient-Controlled Analgesia (PCA)
› Perfect for batch filling of heavy-use admixtures
› Effortlessly fills elastomeric pumps
ICU Medical and You:
Working together to improve patient and clinician safety throughout the entire IV medication safe handling process.

Only ICU Medical gives you simple, safe, and secure needlefree closed systems, closed system transfer devices, and automated drug compounding systems to help enhance healthcare worker safety and comply with OSHA, NIOSH, ASHP, ISOPP, ONS, APHON, USP <797>, and USP <800>.

Contact us today to learn how we can help you improve your IV medication safe handling process by calling us at 800.824.7890 or by visiting www.icumed.com.

1 Barnachia L, Lee T, Gitler J, Saria M. Presented at the California Society of Health System Pharmacists (CSHP), November 4, 2011