NICU/PICU
IV Consumables
Specialty infusion technology for your most delicate patients
When it comes to caring for your most precious patients, every detail matters. That’s why we have developed a full line of IV therapy products designed to meet the special needs of your most delicate patients.

Help Keep Your Tiniest Patients Safe from Infection

Clave™ Connector Technology
Help minimize infection risks with manifolds and stopcocks that incorporate clinically preferred Clave connector technology.

Specialized NICU/PICU IV Sets
Save time while helping reduce the risk of infection with closed IV medication sets for syringe pump delivery.

SuperCath™ 26G PIVC
Help deliver safe and effective care with the smallest gauge straight IV catheter, helping you access small, difficult vessels.

Safe from Infection
Help minimize infection risks for your most delicate patients with clinically preferred Clave technology

Market-leading Clave needlefree IV connector technology has been proven to minimize bacterial contamination, helping reduce the risk of bloodstream infection.\textsuperscript{2,4,5} Clave also lets you use a saline flush option, which can help minimize the risk of heparin-induced thrombocytopenia (HIT), and is approved for use with power injectors.

Help Reduce Risk of CRBSIs
A mechanically and microbiologically closed system provides a safe and effective microbial barrier to help minimize infection risks.

Minimize Flush Volumes
Minimal residual of only 0.02 mL allows for lower flush volumes which may help you maintain appropriate patient fluid balance.\textsuperscript{6}

Visualize Connector Flushing
The clear housing of the NanoClave\textsuperscript{™} allows for visualization of the internal fluid path upon flushing the connector.

Minimize Patient Discomfort
The small size and weight of the NanoClave make it the perfect solution for your most delicate patients.

Concerned about safety? Start with the right IV technology to meet the special needs of patients in the NICU and PICU.
Clave helps minimize entry points for bacteria and maximize the effectiveness of each flush

In a comprehensive study comparing 20 different needlefree IV connectors researchers reported ICU Medical’s connectors featuring Clave technology were “shown to have a significantly lower bacterial transfer rate than any of the other connectors tested.”

Accessing your patient’s IV line through the hub of an open stopcock or manifold may increase the risk of bacterial contamination. Using manifolds and stopcocks with Clave needlefree IV connector technology can help your efforts to minimize infection risks by maintaining a closed system and minimizing the risk of contamination.

Clave technology has the Lowest Bacterial Transfer Rate of all connectors tested.

Efficiently clear the connector with low flush volumes

ICU Medical’s Clave technology outperforms the BD MaxPlus™, and Baxter Clearlink™ connectors as determined by the total flush volume needed to clear the connectors of residual blood elements.

Help safely and efficiently deliver medications with mechanically and microbiologically closed stopcocks and manifolds

Comply with CDC Guidelines by incorporating Clave infection control technology into every connection.

NanoClave Manifolds
Optimize fluid delivery and eliminate retrograde fluid flow with gravity-activated back check valve security

NanoClave Stopcocks
Maintain a needlefree closed system with automatic self-sealing connector technology

† The Centers for Disease Control and Prevention (CDC), Guidelines for the Prevention of Intravascular Catheter-Related Infections.
Deliver medication and flush the line without ever opening the system

Enhance the safety of medication delivery
Safely and easily deliver medication through a specialized one-way valve designed to stop the backflow of medication into the flush line and help reduce drug mixing.

Efficiently flush the line
Using the same syringe, simply draw a volume of flush solution through the integrated one-way valve and continue to flush the line.

Save time and money while helping reduce infection risks with customizable, closed IV medication sets

Manipulating traditional syringe pump tubing may increase the risk of medication errors and bacterial contamination.

Traditional, open-ended syringe pump administration sets require the manipulation of tubing, connectors, and flush devices, which adds to nursing setup time and may contribute to an increased risk of bloodstream infections and medication errors.9

Using ICU Medical’s closed IV medication sets during administration can help your efforts to minimize infection risks and improve medication safety.9

By incorporating Clave technology with dual one-way valve security, these fully customizable sets eliminate the need to connect and disconnect flush devices after medication delivery and remain completely closed throughout the entire drug delivery process.

Help Minimize Infection Risks
Integrated Clave needlefree connector technology provides a safe and effective microbial barrier to help minimize infection risks.

Efficiently Flush the Line
Dual one-way valve technology allows you to deliver medication and flush the line without connecting and disconnecting flush devices.

Reduce Drug Mixing
Each medication line connects directly to the catheter hub, eliminating the risk of medication mixing from multiple access ports.

Safely Access the Closed System
Available multi-lumen extension sets allow for safe and efficient access to your patients’ IV lines without ever opening the system.
Valve during reflux challenge

Unlike other anti-reflux valves, Neutron’s patented technology provides the unique ability to absorb and physically compensate for pressure variations that typically result in blood reflux into a catheter.

Clave Neutron: Unique technology that helps reduce reflux to maintain catheter patency

Maintaining catheter patency and minimizing occlusions can be important steps in your efforts to enhance patient safety, and reduce costs. Clave Neutron combines proven Clave infection control technologies with a patented bidirectional silicone valve and bellows feature to help reduce reflux. Clave Neutron helps maintain catheter patency during times when traditional connectors have been shown to occlude most often.

Safety peripheral IV catheter technology designed to help access small, difficult vessels

Designed to optimize vessel entry in your most delicate patients, the SuperCath 5 is the first and only 26G straight safety catheter. This unique needle size and integrated needle notch helps you improve first-stick proficiency and avoid multiple insertion attempts by maximizing the speed and likelihood of flash visualization while accessing small, difficult vessels.

Helping deliver safe and effective care while complying with clinical recommendations

Infusion Therapy Standards of Practice recommendation:
“Always select the smallest gauge peripheral catheter that will accommodate the prescribed therapy and patient need.”

The only 26G straight safety catheter

One pediatric oncology unit maintained a 32.1% reduction after a full implementation of Clave Neutron™.
Optimize the supply of your essential IV consumables

Standardizing on ICU Medical IV consumables gives you best-in-class Clave technology and access to our full portfolio of components to optimize your supply chain across dedicated and non-dedicated sets and the broadest offering of off-the-shelf IV sets tailored to a range of clinical needs.

Reduce SKUs by customizing sets to meet your specific clinical needs

Choose from a wide variety of components to create procedure-ready sets tailored to meet your specific clinical needs. Design patient-ready sets with a wide selection of components and avoid ordering multiple components—all while maximizing shelf space and reducing packaging waste.

Custom Tubing
Choose from multiple colors, large and small bore, and specified set lengths for distinct clinical applications.

Custom Configurations
In addition to Clave connectors, choose rotating, fixed, or slip luer connections, clamp type and placement, drip chambers, 0.2 and 1.2 micron integrated filters, and more.

Color-coded Components
When line differentiation matters, choose our color-coded components from connector rings, IV tubing, and clamps designed to enhance patient safety and make your job easier.

To see how our specialized NICU/PICU IV consumables portfolio can help enhance the care of your most delicate patients, call 800.824.7890 or visit www.icumed.com

1 2016 GHX market data on single-sterile sales of standalone needleless connectors and single-sterile sales of extension sets with needleless connectors. February 27, 2016.
2 Ryder M, RN, PhD. Comparison of Bacterial Transfer and Biofilm Formation on Intraluminal Catheter Surfaces Among Twenty Connectors in a Clinically Simulated In Vitro Model. Presented at World Congress Vascular Access (WoCoVA) 2018.
10 Neutron 2012 pilot study.