

# Help minimize the risk of infection for your tiniest 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.



### Clave<sup>™</sup> Connector Technology\*

Help minimize infection risks with manifolds and stopcocks that incorporate clinically differentiated 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

\*Warning: Clave connectors may be incompatible with some male-luer connectors including prefilled glass syringes. To avoid damage to the Clave or syringes or male luers which may result in delays of medication administration and possible serious adverse events, users should confirm mating luers or syringes have an internal diameter range of 0.062" to 0.110". Check the internal diameter of the male-luer connector of the mating syringe prior to using it to access the Clave. Products outside of these dimensional tolerances should not be used.





# Help minimize infection risks with clinically differentiated Clave technology

Clave needlefree IV connector technology has been proven to minimize bacterial contamination, helping reduce the risk of bloodstream infection.<sup>1,2,3,4</sup> Clave connector 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

Creates a mechanically closed system prohibiting microbial ingress 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.<sup>5</sup>



## Visualize Connector Flushing

The clear housing of the NanoClave $^{\text{\tiny TM}}$  connector allows for visualization of the internal fluid path upon flushing the connector.



### Minimize Patient Discomfort

The small size and weight of the NanoClave connector makes it well-suited for your most delicate patients.



Concerned about safety? Start with IV technology designed to meet the special needs of patients in the NICU and PICU.

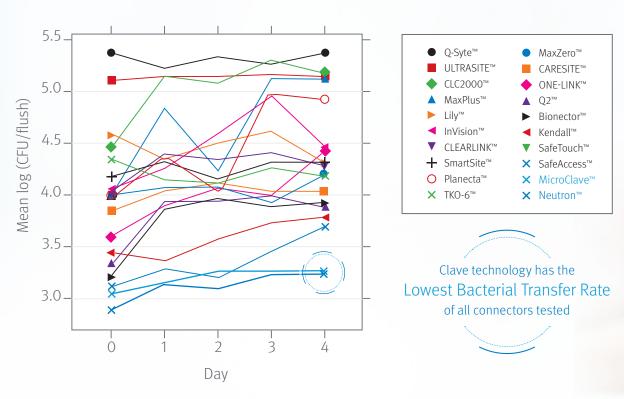




# Clave connector helps minimize entry points for bacteria and maximize the effectiveness of each flush

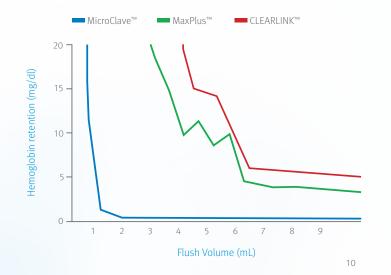
In a peer reviewed study comparing 20 different needlefree IV connectors researchers reported ICU Medical's connectors featuring Clave technology were "shown to have a significantly lower bacterial transfer rate than any of the other connectors tested."

#### Bacterial transfer rate comparison of needlefree connectors<sup>1</sup>



# Efficiently clear the connector with low flush volumes

> ICU Medical's Clave technology outperforms the BD MaxPlus <sup>™</sup>, and Baxter Clearlink <sup>™</sup> connectors as determined by the total flush volume needed to clear the connectors of residual blood elements.<sup>5</sup>



# Optimize fluid delivery with needlefree manifolds and stopcocks while helping protect against CRBSIs

Accessing your patient's IV line through the hub of an open stopcock or manifold may increase the risk of bacterial contamination.<sup>6</sup> 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.<sup>4</sup>

> These access ports are ideal for anesthesiology, oncology, and critical care, where simultaneous fluid delivery is critical.

# Comply with CDC Guidelines

by incorporating clinically differentiated

Clave infection control technology

into every connection.†





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

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† The Centers for Disease Control and Prevention (CDC), Guidelines for the Prevention of Intravascular Catheter-Related Infections.



# Save Time and Money While Helping Minimize Infection Risk With Procedure-Ready Closed IV Medication Sets

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

Traditional, open-ended 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.<sup>8</sup>

Using ICU Medical's closed IV medication sets during administration can help your efforts to minimize infection risks and improve medication safety.8

By incorporating Clave technology with dual one-way valve security, these procedure-ready 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 helps provide 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.

## Deliver medication and flush the line without ever opening the system



#### **Deliver Medication**

Safely and easily deliver medication through a specialized one-way valve that prevents the backflow of medication into the flush line.



#### 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.



# Clave Neutron<sup>™</sup>: Innovative technology designed to reduce reflux to maintain catheter patency<sup>9,10,11,12</sup>

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



difficult vessels.

Safety peripheral IV catheter technology designed

Help deliver safe and effective care with the smallest-gauge straight IV catheter. This 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,

to help access small, difficult vessels

# 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 with procedure-ready sets designed to meet your specific clinical needs

Choose from our broad portfolio of procedure-ready sets to meet your specific clinical need, letting you avoid ordering multiple components while maximizing shelf space and reducing packaging waste.

#### **Tubing Options**



Choose from large and small bore, and specified set lengths for distinct clinical applications.

#### Multiple 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



Choose from multiple color-coded component options like connector rings, and clamps to help reinforce your facilities' line-identification initiatives.

#### 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

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