NanoClave™

Manifolds and Stopcocks

Needlefree manifolds and stopcocks featuring clinically differentiated Clave™ infection control technology.

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Help Minimise the Risk of Infection

While Efficiently Delivering IV Medications

Accessing your patient's IV line through the hub of an open stopcock or manifold may increase the risk of bacterial contamination.[1]

While intravenous (IV) therapy is essential to patient care, accessing your patient's bloodstream may increase the risk of infection. As a result, the design of needlefree stopcocks and manifolds can be an important part of your efforts to minimise contamination and risk of bloodstream infection.

Using manifolds and stopcocks with Clave needlefree IV connector technology can help your efforts to minimise infection risks.[2]

ICU Medical's full line of needlefree stopcocks and manifolds feature clinically differentiated Clave infection control technology designed to minimise the risk of contamination by maintaining a closed system. These access ports are convenient for anaesthesiology, oncology, and critical care, where simultaneous fluid delivery is critical.

"Closed catheter access systems are associated with fewer CRBSIs than open systems and should be used preferentially."

– The Centers for Disease Control and Prevention (CDC), Guidelines for the Prevention of Intravascular Catheter-Related Infections[1]

NanoClave Stopcocks

Maintain a needlefree, closed system with automatic self-sealing connector technology.

NanoClave Manifolds

Help optimise fluid delivery and eliminate retrograde fluid flow with gravity-activated back check valve security.

Clinically-Differentiated Infection Control Technology

Clave needlefree IV connector technology can help your efforts to reduce infection risks by minimising entry points for bacteria and maximising the effectiveness of every flush, helping you comply with CDC and Infusion Nurses Society (INS) guidelines.[3]

Silicone Seal and Internal Cannula

Specifically designed to minimise contact between the connector's external surface and the internal fluid path upon luer activation, this proven Clave technology minimises entry points for bacteria.[4]

Clear housing

permits visual confirmation of flush after use with medications or blood.

Minimal residual volume

(also referred to as priming volume) allows for lower flush volumes.

Split-septum

is a preferred design feature for needlefree connectors.[1]

Straight fluid path

enables the clearing of drug residual with low flush volumes.[5]

Procedure-ready IV sets available with a range of manifold and stopcock configurations

Complement your workflow with multiple stopcock configurations in both three- and six-port manifold designs.

NanoClave Manifolds	3-Port	6-Port
Flow Rate at Gravity through Mainline	315 mL/minute	495 mL/minute
Flow Rate at Gravity through NanoClave	110 mL/minute	110 mL/minute

Manifold Drug Compatibility	
Alcohol	Yes
Lipids	Yes
Chemotherapy	Yes

NanoClave Stopcocks	
Flow Rate through NanoClave Side Port	125 mL/minute
Flow Rate through Stopcock Fluid Channel	470 mL/minute

Stopcock Drug Compatibility	
Alcohol	Yes
Lipids	Yes
Chemotherapy	Yes

To learn more about NanoClave manifolds and stopcocks, please call +44 (0)203 357 9400 or visit www.icumed.com

1. Guidelines for the Prevention of Intravascular Catheter-Related Bloodstream Infections, 2011 (Updated Recommendations July 2017)
2. Bouza E, Munoz P, Lopez-Rodriguez J, et al. A needleless closed system device (Clave™) protects from intravascular catheter tip and hub colonization: a prospective randomized study. J Hosp Infect. 2003; 54:279-287.
3. Infusion Therapy Standards of Practice, 2021
4. 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 (WaCoVA) 2018.
5. Data on file at ICU Medical, Low Volume Flush Characteristics of Unique Needlefree Connectors M1-1223, Rev. 1.

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The product complies with current legislation and has the corresponding CE marking. For additional information, warnings and /or safety precautions, refer to the manufacturer's Instructions for Use.

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