



Dedicated internal fluid path technology that provides a built in barrier to bacterial ingress.



Clave[®]

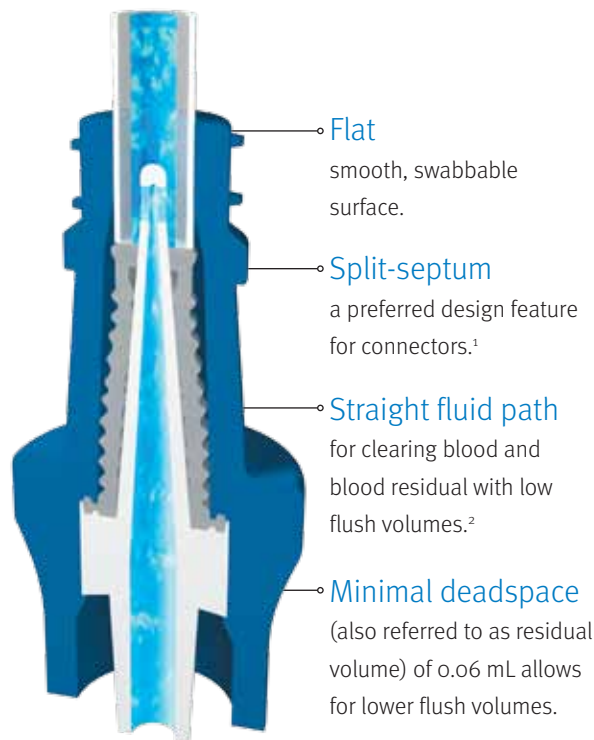
Needlefree Connector

Industry leading needlefree technology designed to reduce the risk of bacterial contamination while improving both healthcare worker and patient safety.

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human connections

The Clave features a unique passive technology that cannot accept a needle, ensuring compliance with needlefree policies. No additional components or adapters are required to access the device, and no end caps are required for sterility.

The Clave's microbiologically and mechanically closed system helps protect the patient's catheter from contamination that can otherwise lead to bloodstream infections. Featuring a dedicated internal fluid path, at no time does the internal fluid path come into contact with the exterior or outer housing of the Clave.



Clinical Evidence

- › Offers significant protection from catheter-tip and hub colonization.³
- › Supports a statistically significant lower BSI rate compared to another connector.⁴
- › Demonstrates the best barrier to bacterial transfer compared to all connectors.⁵
- › Substantially reduces costs associated with flushing central lines by 87%.⁶
- › Shown to decrease CRBSI's by 49%.⁷

Features:

- › Can be used on all peripheral, arterial and central venous catheters.
- › A dedicated internal fluid path makes the Clave technology the only needlefree system proven to reduce catheter colonization in a randomized clinical trial.³
- › A proven track record for assisting in the fight against CRBSI.⁴
- › Approved for use with a saline flush.
- › Eliminates the cost and associated potential clinical risks with the use of heparin and improve your outcomes.
- › A global leader in needlefree connectors since its introduction in 1993.

TECHNICAL SPECIFICATIONS		DRUG COMPATIBILITY	
Residual Volume	0.06 mL	Alcohol	Yes
Flow Rate at Gravity	185 mL / minute	Lipids	Yes
Functional Activations	600	Chlorhexidine	Yes
Blood Compatibility	Yes	Chemotherapy	Yes
MRI Compatibility	Yes		

1. Guideline for the Prevention of Intravascular Catheter-Related Bloodstream Infections, Final Issue Review, May 17, 2010 (http://www.cdc.gov/hicpac/pdf/BSI_guideline_IssuesMay17final.pdf).
2. FDA Medical Device Safety Alert, July 28, 2010: Letter to Infection Control Practitioners Regarding Positive Displacement Needleless Connectors (<http://www.fda.gov/MedicalDevices/Safety/AlertsandNotices/ucm220459.htm>).
3. Bouza E, Munoz P, Lopez-Rodriguez J, Jesus Perez M, Rincon C, Martin Rabadan P, Sanchez C, Bastida E. A needleless closed system device (CLAVE) protects from intravascular catheter tip and hub colonization: a prospective randomized study. JIH (2003) 54: 279-287.
4. Moore, C. RN, MBA, CIC; Landreth, R. RN; Maschmeier, C. MT, (ASCP) SM; Snyder, K. RN, MS, CCRN, CCSN; Prietley, G. RN, MSN, CCRN; Elliott, S. MD, FAAP. Significantly Decreased Rate of Catheter-Related Bloodstream Infections (CR-BSIs) After Discontinuation of a Luer Access Device (LAD) at an Academic Medical Center. April 2009
5. Ryder, M. Bacterial Transfer Through Needlefree Connectors: Comparison of Nine Different Devices. April 2007
6. Fournie K, Clements C, McManus S. Clinical and Economic Impact of the CLAVE[®] Needlefree System. Healthcare Quarterly Case Study. May 2005.
7. Maragakis L. MD; Karen L. Bradley, RN, BSN; Xiaoyan Song, MD, MS; Claire Beers, RN, MSN; Marlene R. Miller, MD, MSc; Sara E. Cosgrove, MD, MS; Trish M. Perl, MD, MSc. Increased Catheter-Related Bloodstream Infection Rates After the Introduction of a New Mechanical Valve Intravenous Access Port. ICHE; Vol. 27, No.1, pgs. 67-70, January 2006.