

# Clave® NeedleFree Connectors

the Worldwide Leader in Needleless IV Systems

The CLAVE® Connector by ICU Medical has a decade of proven history as the premium needlefree product. Its technology ensures superior compliance with needlefree policies while protecting the patient with a closed barrier to bacteria.

## One Piece

The CLAVE Connector requires no additional components such as cannulas or caps to use the system. The one-piece design is simple to use and economical as it remains in place for the life of your IV systems.

## No Needles

The CLAVE Connector cannot accept a needle. Its technology ensures superior compliance with needlefree policies as it is a non-defeatable technology.

## Microbiological and Mechanical Barrier

The unique dedicated internal fluid path of the CLAVE prohibits contact of the IV solutions with any outside components. The silicone seal creates a dynamic seal when compressed to allow fluid path access and can be used in both peripheral and arterial applications.

## Complete NeedleFree System

Needlefree vial access spikes

Needlefree IV solution bag access spikes, including the additive port

Needlefree Y-site adapter for conversion of standard administration sets or pump tubing

## Versatile NeedleFree System

Luer slip, lock and rotating luer compatible

Alcohol, betadine and chlorhexidine compatible

Blood product compatible

Anti-neoplastic compatible

Lipid compatible

## Clave®

185mL / min : flowrate

0.06mL : deadspace

75psig+ : backpressure

600 : functional activations

Latex Free



**CLAVE Single and Multi-dose NeedleFree Vial Adapters**

Three configurations to fit almost any drug vial. The CLAVE vial adapters are closed systems which offer the unique CLAVE microbiological and mechanical barrier to prevent contamination.



**CLAVE NeedleFree Y-site Adapters**

Three configurations to adapt any standard Y-site to CLAVE, including blunt cannula access Y-sites. These adapters allow you to keep your current pump tubing, yet standardize to one needlefree system throughout the facility.



**CLAVE NeedleFree IV Solution Bag Access Spikes**

The two-way access spike allows for withdrawal as well as infusion into the IV solution bag. The second configuration has an in-line back check valve which allows withdrawal, but also prevents an unwanted infusion into the solution bag. Both CLAVE IV solution bag access spikes offer the unique CLAVE microbiological and mechanical barrier to prevent contamination.

**CAUTIONS:** Federal (USA) law restricts this device to sale by or on the order of a physician. It is recommended this device be changed per CDC guidelines or per validated facility protocol

U.S. Pat. Nos; 5,685,866; 5,690,612; 5,694,686; 5,695,466; 5,873,862; 5,901,942; 5,928,204; 6,132,403; 6,572,592; 6,599,273; 5,738,663; 6,019,748; 6,325,782; 5,700,248; 6,132,404; 5,199,947; 5,344,414; 5,688,254; 5,776,116; 5,330,450; 5,971,950; 6,290,688; 6,669,673; 6,635,044; 6,572,592; 6,682,509; 6,726,672 Other Patents Pending