



# CUROS®

## Port Protector

### Frequently Asked Questions

#### What is the Curoso® Port Protector?

The Curoso® Port Protector is a simple, innovative medical device designed to reduce bloodstream infections. Curoso easily and securely twists onto all currently available luer-activated valves (LAVs).

#### Now, for the first time, healthcare providers can:

- Consistently and reliably disinfect all luer-activated valves
- Easily confirm compliance to LAV disinfection protocols
- Always protect LAVs from contamination between accesses.

#### LAVs can now be ALWAYS CLEAN and PROTECTED.

As the Curoso Port Protector is twisted and secured onto a valve, its internal foam pad is compressed, releasing 70% IPA to decontaminate LAVs. Curoso provides an effective, consistent barrier to touch and airborne contaminants to maintain a clean and protected valve surface.

#### Has the FDA reviewed and approved Curoso efficacy data?

**Yes.** Curoso received 510K clearance from the FDA as a valve disinfection device in October 2008. In order to receive a 510k FDA clearance to market the product, studies had to prove that Curoso provides a high log reduction in microorganisms. The studies showed a minimum ~5 log reduction, which exceeded the 510(k) requirement. Additional studies are on-going and will be released as soon as they are available. Additional information is also available on our website: [www.iveramed.com](http://www.iveramed.com).

**The best data is your own.** Try Curoso in your hospital to compare the results against recent BSI and false positive blood culture rates. Curoso works to improve the disinfection of your luer-activated valves, to potentially reduce bloodstream infections and false positive blood cultures. Curoso standardizes valve disinfection technique and improves infection control protocol compliance. We believe Curoso will be the future 'standard of care.'

#### With the use of Curoso, is it necessary to also swab luer-activated valves?

You should always follow hospital protocols and procedures for the disinfection of valves. Testing has demonstrated that placing Curoso on a valve for a minimum of 5 minutes will provide superior decontamination results when compared to the typically performed alcohol swab procedure.

With the proper use of Curoso, it is not necessary to also swab a valve. It is important to follow the recommended use of Curoso to keep ports always clean and protected.

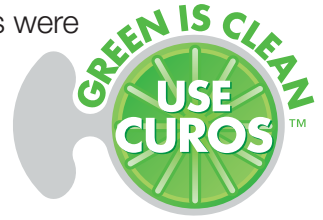
Organism	Starting Population	Average Log Reduction after 5 minutes with a Curoso® Port Protector
<i>Pseudomonas aeruginosa</i>	6.2 X 10 <sup>6</sup> CFU/valve	5.5
<i>Staphylococcus aureus</i>	8.1 X 10 <sup>8</sup> CFU/valve	6.4

#### How long can Curoso stay on a valve to maintain a clean site?

Once placed on a valve, Curoso will maintain the cleanliness of the valve for 7 days or until the line is changed, whichever is longer. If a Curoso is removed for valve access, it must be replaced with a new Curoso.

## What is the significance of the green color?

Extensive market research with infection control practitioners and IV nurses confirmed the need for the product to have a bright color so it can be easily seen from a distance and, more importantly, a color that would not be confused with other therapies (e.g. enteral lines). A number of colors were tested in the market research including white, blue, orange and green. Green was the color the majority of the research respondents indicated was ideal. Green would not be confused with other therapies, would not blend in with valve colors or the bed linens, and the color would be easy to see from a distance.



## How does CuroS provide a means to measure protocol compliance as an aid in meeting current and new JCAHO and other organization standards?

CuroS stays in place on LAVs in between accesses to provide a simple and effective visual means for healthcare providers to simply and consistently confirm that their clinicians are following their valve disinfection compliance protocol. The vibrant green color helps to visualize CuroS on LAVs from a distance and to verify LAVs are covered at a glance.

## How does the CuroS stay on the needleless valve?

CuroS, with its patent-pending thread design, works on all commercially available LAVs. The uniquely designed threads hold CuroS securely in place so it will not fall or pull off. To remove, simply twist CuroS counterclockwise.

## Why is there a small amount of product packaging?

Ivera Medical™ designed CuroS to be environmentally friendly. One of many CuroS final design criteria was to effectively minimize packaging waste. CuroS has only a small, simple and easy to remove foil seal, which protects the internal 70% IPA saturated form pad, and keeps it from drying prior to use. Its design assists hospitals in reducing packaging waste.

## Does CuroS scrub the valve?

**Yes.** While rotating CuroS to attach it onto a luer-activated valve, CuroS scrubs the valve surface. CuroS remains in place to keep valves always clean and disinfected, passively achieving disinfection without technique dependency. There are three key components to effective disinfection; time, the chemical agent used, and friction. If time is short, applying friction to scrub a luer-activated valve surface is essential. Studies have shown a 15-30 second scrub can achieve reasonable levels of disinfection. Disinfection caps, like CuroS, rely on time, some friction, and 70% isopropyl alcohol to reach disinfection efficacy levels not previously seen with traditional friction and alcohol swab practices.

## How long does the alcohol stay wet inside CuroS when in use?

CuroS is technically designed to allow the evaporation of alcohol within a period of time after placement onto a valve. Ivera Medical has received U.S. Patent # 7,780,794 for this unique housing structure that enables this evaporation capability and vented housing design. Ultimately, drying time is highly dependant on room temperature, humidity and the type of valve that CuroS is placed on.

## Where can I get more information or product to evaluate?

Visit our website: [www.iveramed.com](http://www.iveramed.com) • Call us: 888/861-8228 • E-mail: [info@iveramed.com](mailto:info@iveramed.com)



**Ivera Medical Corporation**