LumCheck™: Clinically Relevant, Evidence Based

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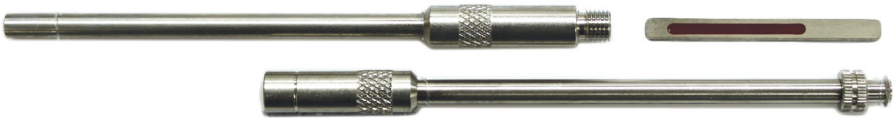
How do you know if your automated cleaning process for lumened instruments is working properly?

The LumCheck™ can be used in either an automatic washer that has the capability to clean lumens/cannulated items, or in an ultrasonic cleaner that has that function.

A peer-reviewed article (Alfa, 2009) supports the use of the LumCheck™ in any type of washer (ultrasonic or instrument washer) states that "the LumCheck™ and the TOSI® do provide readily available methods for monitoring washers that facilitate ongoing cleaning assessment in healthcare setting" and "the LumCheck™ is designed to mimic the restrictions presented by lumens."

Both The Joint Commision (TJC) and AAMI recommend that departments reprocessing medical devices have a process performance plan in place. Using the LumCheck™ blood soil test according to the manufacturer's guidelines helps with adherence to both TJC and AAMI standards and thus a properly functioning cleaning process for equipment that cleans lumened or cannulated medical devices.

LumCheck™ is the product on the market to fulfill the ANSI/AAMI ST79 requirement for testing equipment that cleans cannulated devices. LumCheck™ verifies that the equipment is providing cleaning action.



LumCheck™ is designed as an independent check of the cleaning performance/ability of the retro flow/pulse-flow lumen washers. On the stainless steel plate is a specially formulated blood soil which includes the toughest components of blood to clean. After washing, if the LumCheck™ is visually clean, the test indicates that the cleaning equipment is functioning properly. If residue remains on the plate, the LumCheck™ indicates a failure in the cleaning process, which requires further investigation.

The LumCheck™ is made up of three key components: the test soil, the stainless steel plate and the LumCheck™ Holder. The soil is comprised of blood components mixed and applied in a precise manufacturing process. As a result, it provides a consistent challenge to the effectiveness of the cleaning equipment. The stainless steel plate is "scratched," replicating the uneven interior of lumen instruments. The holder enables the attachment of the test to the cleaning equipment and also replicates the cleaning challenge of cannulated instruments. It can be called a "surrogate device" because it represents what is being cleaned; a lumen, or a channeled device with blood in or on it.

After running the LumCheck™ test through a cleaning cycle, remove the test from the holder to examine the stainless steel plate for the presence of soil (compare to chart for results). The LumCheck™ should be visually clean.

Without a flow of cleaning solution, the insides of cannulated instruments, like MIS instruments will not be cleaned. Therefore, both the flow and action of the detergent are mandatory for these types of instruments to be cleaned properly.

Cleaning equipment can fail to clean for many reasons. Some of these variables are water quality, time, cleaning agent, temperature, pH level, agitation, speed, temperature, and obstructions. Tests should provide a means of monitoring the variables that influence the effectiveness of cleaning equipment like automatic washers and ultrasonic cleaners that provide irrigation for lumened or cannulated medical devices. It also helps diagnose equipment failure, such as low or no flow being produced by the pump, if filters are clogged or leaks in connectors.

For supporting documents, including the IFU, Example Policy and Log Sheet, visit **hmark.com**

Item Number	Description	Qty
WLC-101	LumCheck™ Monitor	25
WLC-102	LumCheck™ Holder	EA

Recommended order is 4 Holders and 1 Box of Monitors (dependent on sonic numbers).

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