



Lumenia | Endoscope Cleaning Control



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to create a better future



Endoscope Cleaning Control

Endoscopes are extremely complex reusable medical devices. Due to their contact with mucous membranes and human tissues, cleaning and high-level disinfection processes prior to reuse must be carried out in order to avoid pathogen transmission. Endoscope reprocessing involving automatic

endoscope reprocessors (AERs) requires minimal user intervention and encloses highly reproducible washing cycles

Therefore, it becomes indispensable to control the efficacy of these processes in order to guarantee compliance with the cleaning standards.

Terragene® launches Lumenia, a new complete line of challenge devices and test soils to control flexible endoscopes washing efficiency.

Advantages

- ✓ Its capsules permit the use of two chemical indicators, one internal and one external.
- ✓ Safe to handle, no residual blood.
- ✓ Easy interpretation of results.
- ✓ Adhesive on the back of the cleaning indicator strips facilitates result's registration.

Cleaning Challenge Devices for Endoscope Reprocessors

Double challenge

LUMENIA SIXFLOW

Lumenia SixFlow LSF1 Test Kit consists of a challenge device (Chemdye® Lumenia CCDER61) and cleaning indicators (Chemdye® Lumenia CDWE) for monitoring cleaning performance in Automated Endoscope Reprocessors.

The challenge device consists of three hoses with an inner diameter of 1 mm, two hoses with an inner diameter of 2 mm, and one hose with an inner diameter of 4 mm; all of them 1.5 m long. Each hose has special connectors in one of their ends for plugging it to the Endoscope Reprocessor, and a device in the other end that simulates an endoscope's lumen and where the Chemdye® Lumenia CDWE cleaning indicators are placed (one in the inner cavity of the device and the other one in an external slot). Each of the six devices have different colors that match the channels' diameters to be monitored, and are in line with the color scheme that every Reprocessor Machine has in its



Internal & external monitoring

output terminals. Each hose is also identified with a color mark at the opposite end of the one that is connected to the device, allowing a fast recognition of the output terminal to which it will be connected. The lumens are joined and protected through a hose that covers them entirely.

Advantages

- ✓ It tests up to six channels at the same time.
- ✓ Capsules and hoses identified with different colors for easier connection.
- ✓ Its interchangeable blocking capsules allow to test the equipment's performance.

Cleaning Indicators

CDWE

Chemdye® Lumenia CDWE cleaning indicator was specially designed for monitoring these processes. It consists of a synthetic, self-adhesive and thermostable strip, printed with a test soil made up from a mixture of specially combined colored natural components.

The test soil was developed and validated in compliance with the requirements described in ISO 15883-5:2005 Standard.



The indicator's formulation allows the detection of failures that may affect the cleaning performance of endoscopes (in both their internal and external surfaces) in Automated Endoscope Reprocessors. The test soil must be completely washed in the internal as well as in the external side of the device.



UNPROCESSED



FAILURES



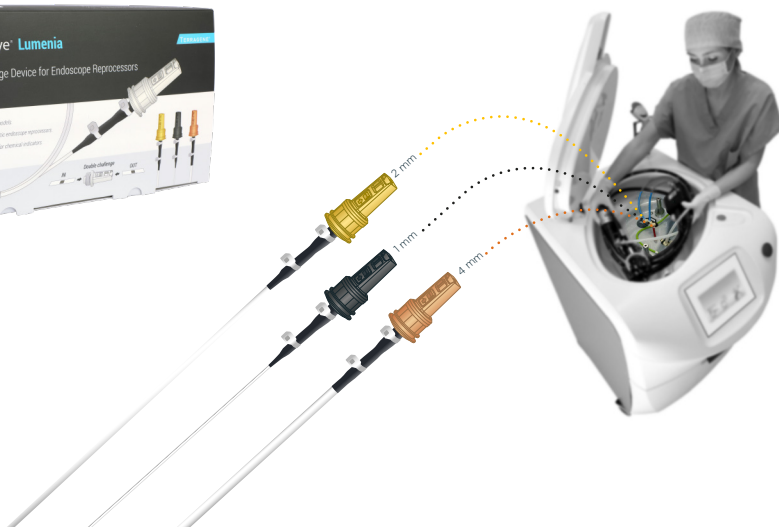
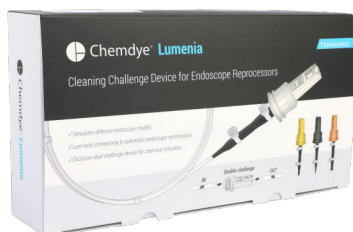
PROCESSED
AND SATISFACTORY

Cleaning Challenge Devices for Endoscope Reprocessors

L1 | L2 | L122

Chemdye® Lumenia L1, L2 and L122 have been designed to control the flexible endoscope washing process efficacy in automatic endoscope reprocessors. The L1 and L2 simulates 1 and 2 mm inner diameter endoscope channels whilst the L122 possesses three parallel channels (a 1 mm inner diameter channel and two 2 mm inner diameter channels), thereby representing an endoscope in a realistic mode. Both devices are capable of housing the Chemdye®

Lumenia CDWE cleaning indicator strips, which have been especially designed to control the efficacy of the mentioned process in automatic washer disinfectors. Complete removal of the indicator confirms an adequate cleaning efficacy. If indicator ink is observed after the washing cycle, the endoscope cannot be considered clean.





The monitoring
of Cleaning performance
is essential for guaranteeing
compliance of **CLEANING &
DISINFECTION STANDARDS**



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