AES-CERBERUS™ CYCLE

1. From DRS-Line drying cabinets
2. Storage inside CERBERUS BAG™
3. Usage in the endoscopy room
4. Return to the washing room through CERBERUS BAG™
5. Automated pre-washing and disinfection in endoscope washer

Standard equipment

✔ Plasma-Cap™ standard connectors for baric balancing of flexible endoscopes (one for each endoscope of the department concerned);
✔4 swivel castors two of which equipped with breaks;
✔Barcode reader;
✔7” HD touch-screen colour display and PLC control;
✔Thermal printer;
✔Humidity sensor;
✔Sensor for cold plasma’s components reading.

Dimensions

1000x700x1050 mm (WxDxH) - with opened lid H=1600 mm

Optional

Integrated soundproof medical air compressor, complete with gun for endoscopes’ manual drying before enveloping;
Adhesive thermal paper roll;
Triplex adhesive thermal paper roll (with bio-hazard warning for returning contaminated material).

MDG ENGINEERING

TÜVRheinland CERTIFIED
Management System EN ISO 13485:2016
www.tuv.com ID 9000009719

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Vers. 0/2024

AES-CERBERUS™

Complies with EN 16442:2015

Device for automatic sealing, aseptic storage and transport of flexible endoscopes, TEE probes and other medical devices subject to high-level disinfection

AES-CERBERUS™

Sterility of enveloped instruments up to 800 hours

AES-CERBERUS™ is a class I Medical device which complies with EN 16442:2015 and Medical Device Regulation 2017/745. Its system is patented and validated with cold plasma technology for the elimination of pathogens. An innovative solution which guarantees the maximum protection of enveloped material that needs to be transported and stored under aseptic conditions.
The device involves the usage of dedicated **CERBERUS-BAG**™ bags sterilized through gamma ray technology, which can be used to transport both disinfected instruments and contaminated ones returning from the reprocessing area.
The machine employs vacuum technology alternated with “cold plasma” injections (generation of free radicals). At the end of the process the instrument is sealed inside of the bag through heat-sealing to ensure aseptic conditions up to 800 hours.
AES-CERBERUS™ was created both to centralize the conservation process and to facilitate daily usage in high and low workflow wards, such as the departments of endoscopy, ENT, bronchoscopy, urology, intensive care and cardiology (for TEE probes).

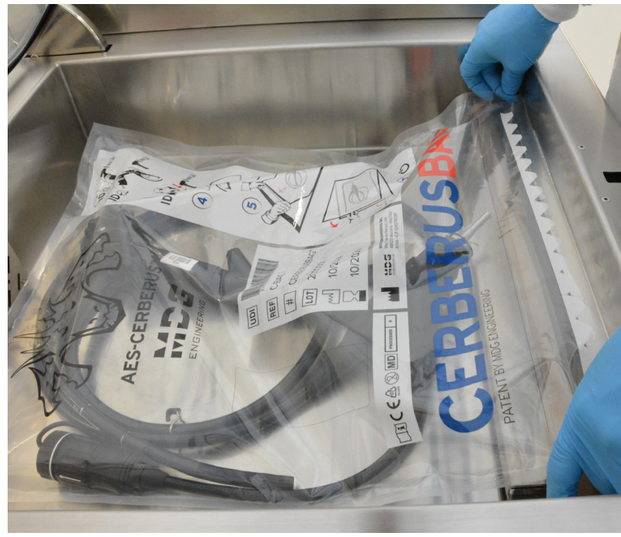
COMPATIBLE WITH EVERY BRAND OF INSTRUMENTS WITHOUT THE NEED FOR CONNECTIONS

Certified plasma technology with generation of free radicals: thanks to its certified microbicidal action (virus, bacteria and other pathogens) it can keep the high-level disinfection status of enveloped instruments up to 800 hours. This eliminates the risk of air-borne contamination and the risk of cross-contamination during enveloping procedures.

Designed to be compatible with every brand and model of endoscope, transesophageal probe (TEE) and other medical devices subject to high-level disinfection, **without the need for connections to the endoscope channels. AES-CERBERUS**™ only requires the **PLASMA CAP**™ valve for the correct baric balancing of instrumentation under negative pressure.

Traceability is ensured by automatic printing of cycles obtained through the integrated thermal printer or by data transfer via Ethernet (optional software).
Equipped with specific cycles for the different types of instruments that need to be stored. Every cycle is validated through **automatic measurement of the plasma concentration inside the bag.**

Thermal printer for cycles traceability



Quick and easy data entry via barcode gun of operator ID and instrument and PLASMA CAP™.

Convenient 7” HD touch-screen display

The paper report on label provides important information such as operator ID, instrument ID, plasma concentration, date and time of start and end of the cycle, expiration date and other parameters.