

EC STER Spray Free Radicals sterilization system

Rapid spray sterilant for small surfaces and devices

PATENTED SYSTEM

CE 0546

MD Repertoire number 1276104
Class IIb medical device



FAST

Sterilizes with a contact of only 5 seconds denaturing the protein structure of pathogenic microorganisms.

COMPATIBLE

It does not oxidize metal surfaces, does not stain, and does not leave stains.

SAFE

Through the simple contact inactivates the pathogenic microorganisms preventing their migration and avoids the risk of contamination. It is odorless, does not produce irritating fumes or vapors.

ECOLOGICAL

The exhausted solution complies with the legal limits for discharging into the sewage network.

GENERAL DESCRIPTION AND APPLICATIONS

EC STER SPRAY is a cold chemical powder sterilant. It is used in "spray" mode for rapid sterilization of invasive and non-invasive medical devices, small surfaces, operating tables, dental units, instrument racks, and medical equipment.

The sterilizing solution is prepared directly in the 750 ml bottle provided.

API AND MODE OF ACTION

- Free radicals with reducing activity generated by specific matrix in aqueous medium at basic pH.
- Transfer of electrons that react with the structure of pathogens causing irreversible chemical damage and their immediate destruction.

DOSE OF USE

3.5 g for 1 liter of water (0.35%)

ACTIVITY

- Gram positive and Gram negative bacteria
- Mycobacterium of tuberculosis
- Virus (including HIV, HBV and HCV)
- Spores
- Fungi

ACTIVITY TIME: 5 seconds

STABILITY OF THE SOLUTION

7 days

SHELF LIFE of the powder

24 months

PROPERTIES AND ADVANTAGES

- It sterilizes the devices and surfaces treated in a few seconds; prevents the risk of contamination for the operator because it inactivates pathogenic microorganisms at the mere contact and prevents migration.
- The basic pH values and the reducing activity of the radicals prevent oxidation and do not compromise the integrity of the surfaces and instruments; it does not stain, and does not leave halos.
- The single-dose vial facilitates the preparation of the active solution; the powder is directly solubilized in the bottle equipped with the provided spray dispenser.
- The powder dissolves in tap water at room temperature; the final solution assumes a very light yellow color, which confirms the beginning of the activity; the yellow color is conferred by the electronic tension of the radicals.
- The solution is odorless, and does not emit vapors in the work environment.
- The active solution is not irritating in case of contact with the skin (contact of the powder with wet skin may cause irritation).
- The used solution complies with the legal limits for discharging into the sewage network.

The free radicals sterilization system is patented.

COD 5230/26

One package contains:

- Box with 10 single-dose vials g 2.6 each (1 vial - 750 ml of solution)
- 1 bottle of 750 ml with spray dispenser

INSTRUCTIONS FOR USE

Preparation of the active solution



- 01**
Fill the 750 ml bottle B with water. Tap water at room temperature can be used.



- 02**
Transfer the 2.6 g powder contained in vial A into the 750 ml bottle B previously filled with water.



- 03**
Close the bottle B with the spray dispenser and shake well to facilitate the dissolution of the powder. Wait about 10 minutes. The solution will have the characteristic pale yellow color which confirms the start of the sterilizing activity. (If the tap water has a hardness level above 20°F the solution might appear cloudy).

- 04**
The solution obtained is active and ready to use and is valid for 7 days from preparation.

Sterilization of the surfaces



- 05**
Sprinkle the solution abundantly on the surfaces to be sterilized.

- 06**
Wait for the activity time and dry (5").

INFORMATION RESERVED FOR MEDICAL OPERATORS