



**REF** MX-30004

## **Micro-X<sup>®</sup> Disinfectant/Sterilant**

### **Instructions for Use**

#### **Indications for Use**

Micro-X<sup>®</sup> Disinfectant (1% concentration), is indicated for the disinfection of Reverse Osmosis (RO) water systems, their distribution components, hemodialysis equipment, water distribution loops, storage/holding tanks, and concentrate mixing systems used in hemodialysis.

Micro-X<sup>®</sup> Sterilant (3.5% concentration) is also indicated for the in vitro cleaning and sterilizing of hollow fiber dialyzers. Refer to the Association for the Advancement of Medical Instrumentation (ANSI/AAMI RD47) for current reprocessing guidelines.

Micro-X<sup>®</sup> Disinfectant/Sterilant is a stabilized mixture of hydrogen peroxide and peroxyacetic acid, commonly referred to as peracetic acid (PAA). Micro-X<sup>®</sup> Disinfectant/Sterilant should be used in a disinfection program which includes bacteriological monitoring of the entire Reverse Osmosis (RO) and water distribution system. Micro-X<sup>®</sup> Disinfectant/Sterilant may not totally eliminate all vegetative microorganisms due to the construction and/or assembly of the RO system. Micro-X<sup>®</sup> Disinfectant/Sterilant, when used as directed, can be relied upon to reduce the number of microorganisms to acceptable levels.

#### **Material Compatibility**

Confirm that the system to be disinfected is compatible with peroxyacetic acid disinfectant/sterilant. Always follow equipment manufacturer guidelines.

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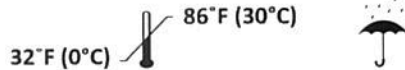
1. Prepare a 1% Micro-X<sup>®</sup> Disinfectant solution (1part Micro-X<sup>®</sup> Disinfectant to 99 parts AAMI quality water).
2. Following manufacturer's directions, instill 1% Micro-X<sup>®</sup> Disinfectant solution into the system to be disinfected.
3. Confirm that a concentration level of 1% (500ppm) or greater Micro-X<sup>®</sup> Disinfectant solution has been achieved using **REF** K100-0105, Micro-X<sup>®</sup> Peracetic Acid (Potency) Test Strips. Sample Micro-X<sup>®</sup> Disinfectant solution from all exit points of disinfected equipment, the water distribution loop, and the storage/holding tank.
4. Allow the water circuit to dwell/soak for a minimum of 36 minutes at room temperature.
5. Rinse the RO and distribution loop. Rinse times may vary depending on the type and size of the RO and distribution system. Use **REF** K100-0100, Micro-X<sup>®</sup> Residual Test Strips to confirm a safe level of less than 1ppm disinfectant. Sample Micro-X<sup>®</sup> Disinfectant solution from the RO product/permeate as well as all exit points of disinfected equipment, the water distribution loop, and storage/holding tank(s).

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**Storage and Handling**



Micro-X® Disinfectant/Sterilant is light sensitive. Store upright in original shipping container out of direct sunlight in a well-ventilated area. Do not freeze.

- Never tamper with the vented cap. The cap on each container is vented to prevent excessive pressure buildup within the container during shipping and storage.
- Micro-X® Disinfectant/Sterilant shelf life, in its' concentrated form, is maintained for 15 months after the date of manufacture.
- Once diluted, deterioration of the active ingredients commences, and the resulting solution must be used within seven (7) days.

**Warnings and Precautions** ⚠

- The lot number and expiration date (month/day/year) are printed on each container. Do not use after expiration date.
- Danger! Keep out of reach of children.
- Danger! Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, on skin or clothing.
- Wear eye protection, rubber gloves, and other appropriate protective equipment or clothing when handling. Wash with soap and water after exposure. If clothing is contaminated, remove, and wash before wearing again.
- In case of contact, immediately flush skin or eyes with large amounts of water. For eye contact, prompt medical attention is necessary.
- If swallowed, drink water immediately to dilute, but do not attempt to induce vomiting. Call physician or poison control center immediately. Possible mucosal damage may contraindicate the use of gastric lavage.
- If spilled, flush the affected area with large quantities of water. Neutralize with sodium bicarbonate or sodium carbonate.
- Call CHEMTREC at 800-424-9300 or 703-527-3887 for chemical emergencies.
- Avoid contact between Micro-X® Disinfectant/Sterilant concentrate/solution and combustible materials.
- Micro-X® Disinfectant/Sterilant undergoes rapid decomposition if allowed to contact metal, dust, or organic materials, or if it is diluted with water failing to meet the Association for the Advancement of Medical Instrumentation/ISO recommendations (ANSI/AAMI/ISO). Such contamination may cause rapid decomposition, generation of large quantities of oxygen gas and high pressure. The presence of iron or other transition metals, in conjunction with the hydrogen peroxide in Micro-X® could cause degradation of the RO system.
- Refer to Micro-X® Disinfectant/Sterilant Safety Data Sheet (SDS), for additional safety information.
- It is a violation of Federal Law (USA) to use this product in a manner inconsistent with its labeling.

Ordering Information	
Description	REF
Micro-X® Disinfectant/Sterilant, Gallon (4/CA)	MX-30004
Micro-X® Peracetic Acid (Potency) Test Strips (100/BO)	K100-0105
Micro-X® Residual Test Strips (100/BO)	K100-0100

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