

## MINNCARE® HD DISINFECTANT

### 510(k) Medical Device

Minnicare® HD is the first chemical disinfectant to hold a FDA 510(k) cleared claim for the disinfection of water purification systems for hemodialysis. Minncare HD is a peracetic acid solution developed specifically for use on hemodialysis reverse osmosis (RO) membranes and their associated distribution systems. Peracetic acid formulations were developed by Minntech Corporation (Medivators Inc., now known as STERIS) in 1976 and are currently being used in a wide variety of applications. Evoqua Water Technologies distributes Minncare HD Disinfectant throughout the renal community.

#### PROTECT BOTH YOU AND YOUR SYSTEM

Minnicare HD Disinfectant ensures that your dialysis water purification equipment disinfection procedures are fully validated. The disinfectant was specifically developed and tested for conditions present within water purification systems licensed for use in hemodialysis applications.

#### ELIMINATION OF RISK

Minnicare HD eliminates the risk of using unregulated industrial chemicals, such as chlorine bleach, in patient treatment areas. The disinfection protocol is validated, the chemistry has been proven efficacious, and accurate test strips are available to insure dosage, as well as to verify complete disinfectant rinse out of the disinfectant. The use of Minncare HD in a dialysis clinic will help maintain the water system in optimum condition and make it easier for the water system operator to complete an effective disinfection.

#### BIODEGRADABLE AND EASE OF DISPOSAL

Minnicare HD Disinfectant is biodegradable and will decompose into oxygen, water and acetic acid. It poses no threat to municipal waste treatment plants.\* Minncare HD Residual test strips are available that accurately verify rinse-out levels of Minncare HD Disinfectant as low as one part per million.

#### SUPERIOR BIOCIDAL ACTIVITY

Protect reverse osmosis membranes and their associated distribution systems against short- and long-term bacterial problems. Minncare HD Disinfectant is a powerful oxidant that stops organism growth by oxidizing microbial cell proteins and enzyme systems and has been shown to be effective against biofilms.

Minnicare HD Disinfectant provides a 6 log reduction of bacteria population at a 100X dilution (1%) within a 36-minute soak time. Elimination of bacterial contamination will help improve product quality and contribute to increased RO membrane life.

#### COMPATIBLE WITH THIN FILM COMPOSITE MEMBRANES

Minnicare HD Disinfectant gently and completely cleans membranes. It has been successfully used at hundreds of locations on thin film composite membranes and cellulose acetate membranes. Many of the applications have included extended soak times.

\*Spent Minncare HD Disinfectant is acidic and requires normal neutralization as specified by your state and local regulations. A 1% solution of Minncare HD Disinfectant has a pH of 3.5.



# MINNCARE® HD TEST STRIPS

## 510(k) Medical Device Peracetic Acid Test Strips

MinnCare® HD Test Strips provide quick results with easy-to-read indicators with the assurance of accurate results. Use the MINNCARE HD 1% TS Test Strips as a pass/fail measurement for adequate concentration of sterilant after dilution. Then verify residual levels after rinse-out using MINNCARE HD Residual Test Strips.

MINNCARE HD Peracetic Acid Test Strips represent the leading brand of test strip technology. Designed for hemodialysis applications, these test strips combine ease-of-use with precise results.

Both the MINNCARE HD 1% Indicator Test Strips and MINNCARE HD Residual Test Strips may be used up to and including the last day of the month indicated by the expiration printed on the container.



### MINNCARE HD 1% INDICATOR TEST STRIPS

MinnCare HD 1% Test Strips verify adequate concentration of a 1% Minncare solution during sanitization of your hemodialysis water purification system. These convenient dip-and-read strips can be used at any test port in your system to provide an accurate pass/fail measurement of Minncare HD Disinfectant.

### MINNCARE HD RESIDUAL TEST STRIPS

MinnCare HD Residual Test Strips are easy to use and are conveniently packaged 100 test strips per container. Each strip has a “reaction zone” pad located at one end of the strip. When stored and used properly, the test strip pad can indicate residual Minncare HD levels as low as 1 part per million (ppm). The reaction zones are set to provide six different reading levels at 100, 30, 10, 3, 1 and 0 (zero) parts per million.

## MINNCARE® HD Disinfectant Ordering Information

Part No.	Description	Packaging
W2T912235	MINNCARE HD Disinfectant 4 x 1 quart	4 x 1 quarts
W2T912234	MINNCARE HD Disinfectant 4 US gallons	4 x 1 US gallons
W2T912238	MINNCARE HD Residual Test Strips	100 per vial
W2T912239	MINNCARE HD 1% Test Strips	100 per vial



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