

Acecide[®]-C

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Product Description

Acecide-C is a liquid chemical germicide used exclusively with the Olympus Endoscope Reprocessor (OER-Pro). Acecide-C Solutions 1 and 2 are provided to customers in sets. One set includes 1 bottle of Solution 1 (875 mL) and 1 bottle of Solution 2 (875 mL).

Acecide-C Solutions 1 and 2 are combined in the OER-Pro with water to produce a use-solution for high-level disinfection (HLD) of flexible endoscopes with peracetic acid (PAA) as the biocidal active agent. Note that while Acecide-C has both a high-level disinfection and a sterilization claim, the OER-Pro can only be used for high-level disinfection. The characteristics of the use-solution are:

- Active Ingredient: Peracetic acid (PAA)
- PAA Concentration: 3100-3400 ppm
- Minimum Recommended Concentration (MRC): 2000 ppm
- Reuse Period: Up to 5 days
- Dilution Ratio Provided by the OER-Pro: 1 part Acecide-C Solution 1 (5%); 1 part Acecide-C Solution 2 (5%); 18 parts water (90%)
- Activation Required: No
- Corrosion Inhibitors: Yes
- Use-Solution: pH 3-4
- High-Level Disinfection Claim: 7 minutes at 20°C (68°F)
- Sterilization Claim: 2 hours at 20°C (68°F)

Intended Use

Acecide-C is a high-level disinfectant—intended to disinfect reusable, clean, heat-sensitive, semi-critical medical devices (such as flexible endoscopes, which contact mucous membranes)—when used at or above its minimum recommended concentration of 2000 ppm peracetic acid for 7 minutes at 20°C (68°F).

Acecide-C is a sterilant — intended to sterilize reusable, clean, heat-sensitive critical and semi-critical medical devices (such as flexible endoscopes, which contact and potentially penetrate into sterile body areas) — when used at or above its minimum recommended concentration (MRC) of 2000 ppm peracetic acid for 2 hours at 20°C (68°F).

Note that while Acecide-C has both a high-level disinfection and a sterilization claim, the product is only intended for use in the OER-Pro as a high-level disinfectant.

Acecide Test Strips are used with Acecide-C High-Level Disinfectant and Sterilant Use-Solution to insure that the level of peracetic acid is above the minimum recommended concentration of 2000 ppm.

Physical Properties

Acecide-C is a proprietary combination of Acecide-C Solution 1 (peracetic acid solution) and Acecide-C Solution 2 (buffering solution) that are diluted in the OER-Pro to proper use dilution. The packaging of Acecide-C and the automated dilution in the OER-Pro are designed to minimize user exposure to chemicals. Material Safety Data Sheets (MSDS) for each of the following solutions are provided with initial shipment of these products and can also be provided by the Olympus Technical Assistance Center.

Acecide-C Solution 1

Acecide-C Solution 1 is an equilibrium mixture of acetic acid, hydrogen peroxide, and peracetic acid (6.8% maximum) in an aqueous solution. Peracetic acid is a strong oxidant disinfectant/sterilant. The material is corrosive to eyes, skin, and mucus membranes. Vapors can be irritating to eyes and the respiratory tract.

Acecide-C Solution 2

Acecide-C Solution 2 is a buffering solution containing direct food additives and potable water treatment chemicals. The solution is mildly alkaline and can be irritating to eyes, skin, and mucus membranes.

Acecide-C Use-Solution

Acecide-C Use-Solution is 1 part Acecide-C Solution 1 (peracetic acid solution) and 1 part Acecide-C Solution 2 (buffering solution) diluted with 18 parts water. Buffered peracetic acid solutions are effective against a wide range of microorganisms, including spores and mycobacterium. The MSDS for the Acecide-C Use-Solution is included in this Infection Control Package and is also available from the Olympus Technical Assistance Center.

Efficacy

Sterilization Summary

Acecide-C will sterilize with an exposure time of 2 hours at 20°C (68°F) at a concentration equal to or greater than the MRC of 2000 ppm PAA. Acecide-C may be reused for 5 days or until the MRC of 2000 ppm PAA is reached, whichever comes first. Only Acecide Test Strips can be used to check the concentration of used Acecide-C.

High-Level Disinfection Summary

Acecide-C will high-level disinfect with an exposure time of 7 minutes at 20°C (68°F) at a concentration equal to or greater than the MRC of 2000 ppm PAA. Acecide-C may be reused for 5 days or until the MRC of 2000 ppm PAA is reached, whichever comes first. Only Acecide Test Strips can be used to check the concentration of used Acecide-C.

Material Compatibility

Acecide-C High-Level Disinfectant and Sterilant was tested and approved by Olympus for material compatibility with OER-Pro and all devices included on the List of Compatible Endoscopes and Connector Tubes.