

## Actril® Fog System (AFS)

### Airborne Bio-Decontamination

Fogging technology using Actril® Cold Sterilant ready-to-use product naturally disinfects surfaces through vapor condensation.

The Actril Fog Dispenser is a specially designed device that fits on 1 gallon and 5 liter Actril containers to produce an Actril vapor which coats and disinfects any hard surface. The device fits on the top of a standard Actril bottle and uses an 8 mm or 5/16 inch diameter compressed air line supplied with compressed air (70 liters per minute @ 3 bar or 2.5 SCFM @ 45 PSI) to fog the Actril Cold Sterilant from the Actril Fog System. The Actril re-condensates on hard surfaces and destroys the existing micro-organisms. The fog system includes the fogging dispenser and a bottle cradle to prevent the bottle from tipping over during fogging. The system is capable of disinfecting room volumes up to 100M<sup>3</sup> (3531 Cubic Feet).

Actril Fog System P/N: 3025825

Actril Cold Sterilant (4 x 1 US gallon) P/N: 176-02-043

Actril Cold Sterilant (2 x 5 liter) P/N: 176-02-053



Note: Bottle shown is the European 5 liter bottle. AFS fits both the US one gallon and the European 5 liter version of the Actril Bottle.

## Actril Fog System Advantages

### Increased Effectiveness

- High level bio-decontamination
- Fast microbiological efficacy
- Destroys bacteria, mycobacteria, yeast, mold, virus and bacteria spores

### Easy and Safe to Use

- No manual spraying or wiping
- No human contact with chemical aerosols
- No residue left on surfaces

### Economical

- Low investment, no maintenance, minimal chemical usage

### Environmentally Friendly

- Minimal chemical required due to fogging action (recondensation)
- Actril is safe for the environment

### Multiple Applications

- Hospitals
- Animal Facilities
- Ambulances
- Schools & Locker Rooms
- Transportation Facilities
- Medical Clinics
- Health Clubs

## Actril Cold Sterilant Effectiveness

Actril Cold Sterilant is registered as a Sterilant.

The US Pharmacopoeia (USP, Second Supplement, General Information, 1072 Disinfectants & Antiseptics, p. 3792) defines a sterilant as: An agent that destroys all form of microbial life including fungi and virus and all forms of bacteria and their spores. Sterilants are liquid or vapor phase agents.

Actril Cold Sterilant is effective against the following organisms:

Organism Type	Organism		
Spores	Bacillus subtilis	Clostridium sporogenes	
Mycobacteria	Mycobacterium bovis		
Vegetative Bacteria	Pseudomonas aeruginosa	Salmonella choleraesuis	Staphylococcus aureus
Fungi	Trichophyton mentagrophytes		
Non-Lipid Small Virus	Polio virus Type 2		
Lipid Medium Virus	Herpes simplex Type 1,2	HIV (AIDS virus)	
Hepatitis B and C	No approved method to test for hepatitis B&C exists.*		
* A direct test is unavailable; however, they are generally considered easier to kill than Polo viruses.			

## Actril Cold Sterilant Material Compatibility

Actril Cold Sterilant is a proprietary mixture of 0.06% peracetic acid and 1.0% hydrogen peroxide. Actril Cold Sterilant has been tested and shown to be compatible with material coupons made from the materials shown below:

### Metals

Stainless Steel (316)  
Aluminum Alloy (6061)

### Plastics

Polypropylene  
Perfluoroalkoxy (PFA)  
Acrylonitrile-butadienestyrene (ABS)  
Polyethylene  
Polyvinylchloride (PVC)  
Polycarbonate  
Tygon

### Elastomer

Silicone rubber

Other materials not listed should be tested for compatibility prior to use.

## Safety & the Environment

Actril Cold Sterilant, is extremely eco-friendly because Actril's raw materials are not listed as carcinogenic or mutagenic materials, does not produce toxic vapors, and is safe for the environment. It is completely biodegradable and will decompose into oxygen, water, and acetic acid.\*

\* Unused Actril Cold Sterilant is acidic and requires normal neutralization as specified by local regulations. Actril has a pH of 1.5 to 2.0. Actril is a registered trademark of Minntech Corporation, a Cantel Medical Company.



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