

CONSENT FOR USE OF 2% GLUTARALDEHYDE IMMERSION DISINFECTING AND COLD STERILIZATION FOR TESTING DEVICES

WHAT IS GLUTARALDEHYDE?

Glutaraldehyde is a hazardous chemical used for cold sterilization of testing, medical and dental equipment. Glutaraldehyde based products are effective sterilants and disinfectants for test, medical and dental devices that cannot be steam sterilized and are particularly heat-sensitive. It is a colorless, oily liquid with a pungent odor. As a cold sterilizer it is commonly used as a 2%-4% aqueous solution. In the lab, the ready to use solution for immersion disinfecting and cold sterilization has 2% glutaraldehyde.

CONTROL MEASURES

Glutaraldehyde should be used in an area that is properly ventilated. All storage and handling of 2% glutaraldehyde will be done under the fume hood in room AAC397.

PERSONAL PROTECTIVE EQUIPMENT AND EMERGENCY EQUIPMENT

Workers should wear appropriate PPE designed to protect skin, eyes and clothing from splashes when disinfecting instruments with glutaraldehyde solutions. A labcoat and splash-proof goggles should always be worn when working with glutaraldehyde solutions. Skin should be protected from contact with glutaraldehyde. Gloves impervious to glutaraldehyde, such as nitrile or butyl rubber, should always be worn if there is any possibility of contact with the solution.

An emergency eyewash unit is located within 10 seconds travel time of the glutaraldehyde usage location; AAC 397.

Read page 7 and pages 15-17 of the *Best Practices for the Safe Use of Glutaraldehyde in Health Care*, OSHA, 2006.

PROCEDURE

- Wear appropriate PPE designed to protect skin, eyes and clothing from splashes when disinfecting components (2-way mouthpiece, T-connector and nose clip).
- Disassemble the 2-way mouthpiece and T-connector. Rinse all components (2-way mouthpiece, T-connector and nose clip) with cold tap water from lab sink.
- Get 2% glutaraldehyde bath container from fume hood. Open cover. Immerse all components (2-way mouthpiece, T-connector and nose clip) in the 2% glutaraldehyde bath container .
- Close cover.
- Place the 2% glutaraldehyde bath container under fume hood for at least 45 minutes.
- Fill water bath container with cold tap water from lab sink.
- While under fume hood, remove all components (2-way mouthpiece, T-connector and nose clip) from 2% glutaraldehyde bath container and carefully transfer to water bath container. Close 2% glutaraldehyde bath container and leave under fume hood. Close water bath container.
- Rinse all components (2-way mouthpiece, T-connector and nose clip) with cold tap water from lab sink.
- Let all components (2-way mouthpiece, T-connector and nose clip) air dry on the counter.
- Empty and thoroughly rinse the water bath container and let air dry on the counter

By signing this consent form I agree to abide by all the procedures that are identified. Also, by signing this consent form, I state to be true that I have read page 7 and pages 15-17 of the *Best Practices for the Safe Use of Glutaraldehyde in Health Care*, OSHA, 2006.

Name (please print): _____

Signature: _____

Date: _____