

<p><b>MODULE</b></p> <p><b>E</b></p>	<p><i>This module is directed towards anyone who disinfects medical instruments, devices, or supplies (such as endoscopes, thermometers, and other items which cannot be sterilized) using <b>high level disinfectants</b> containing the following:</i></p> <ul style="list-style-type: none"> <li>• <b>Glutaraldehyde</b> (e.g., Cidex<sup>®</sup>, ColdSport<sup>®</sup>, Endocide<sup>®</sup>, Glutacide<sup>®</sup>, Hospex<sup>®</sup>, Metricide<sup>®</sup>, Sporidicin<sup>®</sup>, Wavicide<sup>®</sup>),</li> <li>• <b>Ortho-phthalaldehyde</b> (e.g., Cidex OPA<sup>®</sup>),</li> <li>• <b>Peracetic acid</b> (e.g., Steris<sup>®</sup> system), or</li> <li>• <b>Hydrogen peroxide</b> (e.g., Accell<sup>®</sup>, Optim<sup>®</sup>).</li> </ul>
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1. During your career (including all jobs at this and other facilities), how long have you been disinfecting medical instruments?
  - Less than 6 months
  - At least 6 months but less than a year
  - 1-5 years
  - 6-10 years
  - 11-20 years
  - More than 20 years
  
2. When have you received formal training at this facility on the safe handling of high level disinfectants, including glutaraldehyde?  
**Please ✓ all that apply.**
  - During orientation for your current job or task
  - Once, but not at orientation
  - Periodically, but less than once per year
  - At least annually (i.e., one or more times every year)
  - Other (Please specify): \_\_\_\_\_
  - Never received training at this facility
  
3. Have you seen written policies or standard procedures at this facility for using high level disinfectants, including glutaraldehyde?
  - Yes
  - No

4. At any time in the **past 7 calendar days** did you disinfect medical instruments by immersion in high level disinfectants (either manually or automatically)?

- Yes
- No



**Skip to Question 27.**

5. During the past 7 calendar days, how many days did you disinfect medical instruments by immersion in high level disinfectants?

Number of days.....  
(Please write a number from 1-7)

6. During the past 7 calendar days, how much total time did you spend handling or working with high level disinfectants? *(Include only the time you spent actually loading and unloading the processing unit; testing, adding and replacing the disinfectant solution; and cleaning the disinfecting process units.)*

- Less than 1 hour
- 1-5 hours
- 6-20 hours
- 21-40 hours
- More than 40 hours

7. How does the total amount of time spent handling disinfectants during the past 7 calendar days compare with most weeks?

- Past 7 days were about normal
- Past 7 days were less than normal
- Past 7 days were greater than normal

8. During the past 7 calendar days, how many devices or instruments (including endoscopes, probes, tips, etc.) did you disinfect by immersion in high level disinfectants?

- 1-2 instruments
- 3-4 instruments
- 5-9 instruments
- 10-19 instruments
- 20-39 instruments
- 40 or more instruments

9. During the past 7 calendar days, which high level disinfectants did you use for disinfecting medical instruments? **Please ✓ all that apply.**

- a. Glutaraldehyde (e.g., Cidex<sup>®</sup>, ColdSport<sup>®</sup>, Endocide<sup>®</sup>, Glutacide<sup>®</sup>, Hospex<sup>®</sup>, Metricide<sup>®</sup>, Sporicidin<sup>®</sup>, Wavicide<sup>®</sup>)
- b. Ortho-phthalaldehyde (e.g., Cidex OPA<sup>®</sup>)
- c. Peracetic acid (e.g., Steris<sup>®</sup> system)
- d. Hydrogen peroxide (e.g., Accell<sup>®</sup>, Optim<sup>®</sup>)
- e. Other high level disinfectant (Please specify) \_\_\_\_\_

9A. From the high level disinfectant(s) checked above, please write the **letter** (a, b, c, d, or e) corresponding to the disinfectant **most often used** to disinfect medical instruments during the past 7 calendar days.

Most often used.....

10. Which of the following disinfection system(s) did you use during the past 7 calendar days? **Please ✓ all that apply.**

- a Automated
- b. Manual

10A. From the system(s) checked above, please write the **letter** (a or b) corresponding to the one you **most often used** during the past 7 calendar days.

Most often used.....

11. Which of the following statements best describes the ventilation for the disinfection system(s) you used during the past 7 calendar days: **Please ✓ all that apply.**

- 1. A system with effective local exhaust ventilation.
- 2. A non-ventilated or poorly ventilated system.

12. Did the disinfection system you used most often in the past 7 calendar days have dedicated ventilation (overhead hood, exhaust fan)?

- Yes
- No
- Don't know

13. During the past 7 calendar days, did you **ever** manually pour fresh or new disinfectant into a reservoir or chamber of the processing unit(s)?

- Yes
- No



14. During the past 7 calendar days, what was the total amount of high level disinfectant you manually poured into the processing unit(s)?

- Less than one gallon
- 1-2 gallons
- 3-5 gallons
- More than 5 gallons

15. During the past 7 calendar days, did you **ever** manually drain spent high level disinfectant from a processing unit(s)?

- Yes
- No

16. During the past 7 calendar days, how many spills of disinfectant(s) used for disinfecting medical equipment did you **personally** clean up?

	No spills	1-2 spills	3-5 spills	More than 5 spills
a. Spills less than two cups .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Spills more than two cups.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. During the past week, did any of the following areas of your skin come into direct contact with high level disinfectant(s)?

	Yes	No
a. Face.....	<input type="checkbox"/>	<input type="checkbox"/>
b. Neck .....	<input type="checkbox"/>	<input type="checkbox"/>
c. Hands .....	<input type="checkbox"/>	<input type="checkbox"/>
d. Wrist or forearm.....	<input type="checkbox"/>	<input type="checkbox"/>
e. Torso, legs or feet.....	<input type="checkbox"/>	<input type="checkbox"/>

The following questions pertain to the use of personal protective equipment (PPE) during the handling of high level disinfectants.

18. During the past 7 calendar days, did you wear a **water resistant gown or outer garment** while handling or working with high level disinfectants?

- Always
- Sometimes
- Never

**Skip to Question 20.**

19. What were the reason(s) you did not always wear a **water resistant gown or outer garment** while handling high level disinfectants?  
**Please ✓ all that apply.**

- 1. Potential for exposure to high level disinfectants is insignificant
- 2. Exposure to high level disinfectants is possible but the health hazard is insignificant
- 3. Not required by employer
- 4. Not provided by employer
- 5. Not standard practice
- 6. Too uncomfortable or difficult to use
- 7. Not readily or always available in work area
- 8. Cross-contamination to other areas is not a concern
- 9. Other (Please specify): \_\_\_\_\_

19A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one **most important reason** you did not always wear a **water resistant gown or outer garment** while handling high level disinfectants.

Most important reason .....

20. During the past 7 calendar days, did you wear **protective gloves** while handling high level disinfectants?

- Always
- Sometimes
- Never

**Skip to Question 22.**

21. What were the reason(s) you did not always wear **protective gloves** while handling high level disinfectants?

**Please ✓ all that apply.**

- 1. Potential for exposure to high level disinfectants is insignificant
- 2. Exposure to high level disinfectants is possible but the health hazard is insignificant
- 3. Not required by employer
- 4. Not provided by employer
- 5. Not standard practice
- 6. Too uncomfortable or difficult to use
- 7. Not readily or always available in work area
- 8. Cross-contamination to other areas is not a concern
- 9. Other (Please specify): \_\_\_\_\_

21A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one **most important reason** you did not always wear protective gloves while handling high level disinfectants?

Most important reason .....

22. During the past 7 calendar days, did you wear **eye protection** (safety glasses, goggles, face shield) while handling high level disinfectants?

- Always
- Sometimes
- Never

**Skip to Question 24.**

23. What were the reason(s) you did not always wear **eye protection** while handling high level disinfectants?  
**Please ✓ all that apply.**

- 1. Potential for exposure to high level disinfectants is insignificant
- 2. Exposure to high level disinfectants is possible but the health hazard is insignificant
- 3. An engineering control (e.g., exhaust ventilation or an enclosure) is already being used
- 4. Not required by employer
- 5. Not provided by employer
- 6. Not standard practice
- 7. Too uncomfortable or difficult to use
- 8. Not readily or always available in work area
- 9. Other (Please specify): \_\_\_\_\_  
\_\_\_\_\_

23A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one **most important reason** you did not always wear **eye protection** while handling high level disinfectants.

Most important reason .....

24. During the past 7 calendar days, did you wear **respiratory protection, not including a surgical mask**, while handling high level disinfectants?

- Always
- Sometimes
- Never

**➔ Skip to Question 26.**

25. What type(s) of respirator(s), not including a surgical mask, did you use?  
**Please ✓ all that apply.**

- Disposable particulate respirator (also called filtering face-piece respirator, e.g., N95)
- Half mask or full-face piece respirator with replaceable filters or cartridges
- Powered air-purifying respirator (PAPR)
- Don't know



**During the past 7 calendar days, if you ALWAYS wore respiratory protection when handling high level disinfectants, skip to Question 27.**

26. What were the reason(s) you did not always wear **respiratory protection**, not including a surgical mask, while handling high level disinfectants?  
**Please ✓ all that apply.**

- 1. Potential for exposure to high level disinfectants is insignificant
- 2. Exposure to high level disinfectants is possible but the health hazard is insignificant
- 3. An engineering control (e.g., exhaust ventilation or an enclosure) is already being used
- 4. Not required by employer
- 5. Not provided by employer
- 6. Not standard practice
- 7. Too uncomfortable or difficult to use
- 8. Not readily or always available in work area
- 9. Other (Please specify): \_\_\_\_\_  
\_\_\_\_\_

26A. From the reason(s) checked above, please write the number (1, 2, 3, etc.) of the one **most important reason** you did not always wear **respiratory protection** while handling high level disinfectants.

Most important reason .....

**You have now completed this module.  
Thank you.**