


<p>MODULE</p> <p>E</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 high level disinfectants containing the following:</i></p> <ul style="list-style-type: none"> • Glutaraldehyde (e.g., Cidex[®], ColdSport[®], Endocide[®], Glutacide[®], Hospex[®], Metricide[®], Sporicidin[®], Wavicide[®]), • Ortho-phthalaldehyde (e.g., Cidex OPA[®]), • Peracetic acid (e.g., Steris[®] system), or • Hydrogen peroxide (e.g., Accell[®], Optim[®]).
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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[®], ColdSport[®], Endocide[®], Glutacide[®], Hospex[®], Metricide[®], Sporicidin[®], Wavicide[®])
- b. Ortho-phthalaldehyde (e.g., Cidex OPA[®])
- c. Peracetic acid (e.g., Steris[®] system)
- d. Hydrogen peroxide (e.g., Accell[®], Optim[®])
- 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



Skip to Question 15.

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  **Skip to Question 22.**
- Sometimes
- Never

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  **Skip to Question 24.**
- Sometimes
- Never

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.**