


Environmental Sampling

TXCH Global HOPE




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Objectives

By the end of this presentation, the participant should be able to:


- Describe the purpose of environmental sampling
- Identify potential methods of environmental sampling of hazardous drugs



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Environmental Sampling


- Environmental sampling helps to identify:
 - The potential for inadvertent hazardous drug exposure to healthcare workers, patients, and caregivers
 - How well cleaning and decontamination practices work in the setting
 - The accuracy of healthcare worker aseptic technique and safe handling practices



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Sampling Frequency and Location

- It is recommended to perform environmental sampling of hazardous drugs areas (e.g., pharmacy, nursing areas) every 6 months
 - Ensure that your sampling approach includes commonly used AND uncommonly used medications
- Examples of potential sampling areas include:
 - Biologic safety cabinet (BSC)
 - Areas adjacent to the BSC (e.g., floor, chair)
 - Pharmacy counter tops
 - Drug storage bins
 - "High touch" items (door knobs, keyboards, etc.)
 - Infusion poles or floor around patient bed space



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Example Sampling Packages



ChemoGLO
Wipe Kit


<https://www.chemoglo.com/>

BD HD Check

EXPOSURE CONTROL
monitoring and consultancy

<https://www.exposurecontrol.net/>



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Mitigation Techniques

- If contamination is detected, it may warrant the following approaches
 - Decontamination, deactivation, cleaning of the area, perhaps with new products
 - Re-education or training of personnel
 - New work practices
 - New equipment to improve practice
 - Repeat sampling



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What's Next?

- Prepare for discussion:
 - What challenges or issues do you need to address to decrease inadvertent exposure to hazardous drugs in your pharmacy?
- Complete the practice questions



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