

# Environmental Sampling

**TXCH Global HOPE**



# Objectives

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*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

# Environmental Sampling

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- 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

# Sampling Frequency and Location

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- 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

# Example Sampling Packages



**ChemoGLO**

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

**BD HD Check**



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

# Mitigation Techniques

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- 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

# What's Next?

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- 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

# Global HOPE Pharmacy Education

