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| **Biohazard or Infectious Material Spill**  |
| **Purpose** | This procedure provides instructions for a BIOHAZARD or INFECTIOUS MATERIAL SPILL. |
| **Policy Statements** | Children’s Minnesota Laboratory will ensure safe and appropriate containment and cleanup of biohazard and infectious materials while safeguarding the health and safety of laboratory staff. |
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| **Supplies** | * Gloves
* Laboratory coat
* Face shield
* Face mask & eye protection
* Bleach solution
* Disinfectant, e.g. Sani-Cloth wipes
* Absorbents, e.g. paper towels, gauze pads
* Dustpan and brush
* Forceps
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| **Definitions** | **Small spills**: less than 50 mL, or manageable by employee**Large spills**: greater than or equal to 50 mL, or unmanageable by employee |
| **Procedure** | Follow the activities in the table below to clean up Biohazard or Infectious Material Spills.This includes, but is not limited to blood, body fluids and cultured organisms. |
|  | **Step** | **Action** |
|  | 1 | Protect yourself and others.* Avoid contact with the material.
* Individuals with a significant exposure to blood or body fluids should immediately stop working and follow the Blood and Body Fluid Exposure process.
	+ <http://intranet.childrensmn.org/emergency-and-safety/index.htm>
	+ The laboratory manager/supervisor should designate another individual for the spill cleanup procedure.
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|  | 2 | Secure the area.* Do not walk through or allow others to walk through the spilled material.
* Ensure no one enters the spill area without proper personal protective equipment (PPE).
* Contact the laboratory manager/supervisor or hospital security to report any spill of biohazard or infectious material that is difficult to contain, e.g. large spill.
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|  | 3 | In the event of a large spill, aerosols may have been generated. Alert nearby staff, leave the area, close doors, and do not re-enter for 30 to 60 minutes. |
|  | 4 | Don appropriate PPE for the type of spill. At a minimum, this includes a lab coat and gloves. Mask and protective eyewear are additionally required for large spills. |
|  | 5 | Remove and discard broken glass or other objects using forceps, dustpan and brush. Place sharps into a biohazard-labeled sharps container. Clean forceps, dustpan and brush with disinfectant. |
|  | 6 | Isolate and contain the spill using absorbents (gauze pads, paper towels). |
|  | 7 | Disinfect spill site with a disinfectant such as Sani-Cloth wipes or a bleach solution. Leave disinfectant in contact with contaminated site according to manufacturer’s directions. Contact time may vary from 2 to 10 minutes depending on product used. To be effective the disinfectant must remain wet on the surface of the site for the entire contact time. Add more disinfectant if necessary. |
|  | 8 | Disinfect reusable materials and equipment before reuse.If repairs are needed on contaminated equipment, disinfect before repairs are performed. |
|  | 9 | Discard all materials, including gloves, in a biohazard waste container. |
|  | 10 | Wash hands with soap and water.  |
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| **Supporting Documents** | [912.02 Hazardous Material Spills](http://khan.childrensmn.org/manuals/policy/900/005313.asp)[912.04 Waste Management](http://khan.childrensmn.org/manuals/policy/900/005314.asp)[1202.00 Bloodborne Pathogen Exposure-Control Plan](http://khan.childrensmn.org/manuals/policy/1200/005626.asp) |
| **References** | 1. CLSI. Clinical Laboratory Safety; Approved Guideline – Third Edition. CLSI document GP17-A3. Clinical and Laboratory Standards Institute, Wayne, PA, 2012.
2. CLSI. Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline – Fourth Edition. CLSI document M29-A4. Clinical and Laboratory Standards Institute, Wayne, PA, 2014.
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| **Historical Record** | **Version** | **Written/Revised by:** | **Effective Date:** | **Summary of Revisions** |
| 1 | Carol Cram |  | Initial Version |
|  | 2 | Kerstin Halverson | 07/01/03 |  |
|  | 3 | Carol Buhl | 10/31/14 | Added reference to hospital Blood and Body Fluid Exposure process.Added ‘Secure the area’ section.Added information concerning broken glass and sharps.Reformatted to CMS.Added supporting documents.Added references.Renumbered from 13.3. |
|  | 4 | Carol Buhl | 07/31/15 | Added hyperlink to Blood and Body Fluid Exposure form.Added disinfection of contaminated equipment (#8). |
|  | 5 | Lab Safety Committee & C Buhl | 10/26/18 | Added definitions of small and large spills.Included additional PPE for large spills.Updated references. |