Emergency Response
Emergency Response

Personal Contamination

1. Alert co-workers
2. Clean exposed surface with soap/water, (1 minute), eyewash (eyes) 15-20 min., or rinse mouth 3x’s with water.
3. Apply first aid and treat as an emergency
4. Notify supervisor
5. Report to medical clinic for treatment/ counseling.
Emergency Response

Surface Contamination

1. Alert co-workers
2. Define/isolate contaminated area
3. Put on appropriate PPE
4. Remove glass/glass shards with forceps or scoop
5. Apply absorbent towel(s) to spill
6. Apply disinfectant to towel surface
7. Allow adequate contact time (10-60 min)
8. Remove towel(s), mop up; clean with alcohol or soap/water
9. Properly dispose of materials
10. Notify supervisor
# Surface Decontamination

## General Guidelines for Biological Agents

<table>
<thead>
<tr>
<th>AGENT</th>
<th>DISINFECTANT</th>
<th>INACTIVATION TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recombinant DNA</td>
<td>10% bleach</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Bacterial Spores</td>
<td>&gt;6% Hydrogen peroxide</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Vegetative Bacteria</td>
<td>10% bleach</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Viruses* &amp; Viroids</td>
<td>10% bleach</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Funghi</td>
<td>10% bleach</td>
<td>20 Minutes</td>
</tr>
<tr>
<td>Feline Parvovirus</td>
<td>20% bleach</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Free living Cryptosporidium</td>
<td>3-7.5% H2O2 Or 70% Ethanol</td>
<td>20 Minutes Or 10 Minutes</td>
</tr>
<tr>
<td>Other Parasites**</td>
<td>10% bleach</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Prions</td>
<td>2N Sodium Hydroxide</td>
<td>60 Minutes</td>
</tr>
</tbody>
</table>
Other Instructions

- For all personal contamination – fill out an accident report form
- For further questions about biological spills call EH&S @335-3041 or 335-9553 (Mike Kluzik)
- For spills of radioactive material call Radiation Safety @ 335-8916
- For chemical spills call EH&S @335-3041
- For mixed agent spills with radiation call both Radiation Safety and EH&S.
- For all other mixed agent spills call 335-9553 (Mike Kluzik)
* Some viruses are notoriously insensitive to disinfectants. When using **Caliciviridae**, **Parvoviridae**, **Picornaviridae** or **Reoviridae** verify with Investigator or Instructor as other methodology may be appropriate or longer inactivation time may be required. When large organic load is present in a spill, e.g. blood or serum use 20% bleach and inactivate for a minimum of 30 minutes before proceeding with cleanup.

** Verify with Investigator or Instructor as some parasites are resistant to chlorine inactivation, e.g. Cryptosporidium

10% Bleach is prepared by mixing one part household bleach with 9 parts water.
References

- NIH Guidelines for working with Recombinant DNA – Lab Safety Monograph (Appendix D updated)
