## UNIVERSAL HUMAN BLOOD AND BODY FLUID PRECAUTIONS

The following are the key elements of the University of Michigan’s plan to control occupational exposures to bloodborne pathogens. Employees must consider **ALL human blood and other body fluids** as potentially infectious materials and use appropriate protective measures to prevent exposures.

<table>
<thead>
<tr>
<th>Hand-washing</th>
<th>Personal Protective Equipment (PPE)</th>
<th>Contaminated Sharps</th>
<th>Blood or Body Fluid Exposure</th>
<th>Control the Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremely important to prevent the spread of biological contamination</td>
<td>Dependent on anticipated exposure and task performed</td>
<td>Discard in appropriate sharps container</td>
<td>Immediately wash affected skin with soap and water</td>
<td>Use engineering controls:</td>
</tr>
<tr>
<td>Wash hands:</td>
<td>PPE worn may include:</td>
<td>DO NOT recap, bend or break needles</td>
<td>Flush affected eye(s) with water for 15 minutes</td>
<td>• Sharps disposal containers</td>
</tr>
<tr>
<td>• After contacting blood or body fluids</td>
<td>• Safety glasses</td>
<td>DO NOT over fill sharps containers</td>
<td>Apply first-aid, if necessary</td>
<td>• Hand-washing facilities</td>
</tr>
<tr>
<td>• After removing gloves</td>
<td>• Splash goggles</td>
<td>Transport reusable sharps in a leak proof, puncture-resistant container</td>
<td>Report incident to your Supervisor</td>
<td>• Biological safety cabinets</td>
</tr>
<tr>
<td>• Before leaving the laboratory</td>
<td>• Face shield</td>
<td>Use a mechanical device (forceps, tweezers) to place contaminated broken glass in a sharps container</td>
<td>Report to a University occupational medicine provider:</td>
<td></td>
</tr>
<tr>
<td>Wet hands, apply soap, rub hands vigorously for 15 seconds and rinse</td>
<td>• Shoe covers</td>
<td></td>
<td><strong>Campus employees</strong></td>
<td></td>
</tr>
<tr>
<td>Keep fingernails short</td>
<td>• Face mask</td>
<td></td>
<td>MWorks</td>
<td></td>
</tr>
<tr>
<td>Scrub nail area</td>
<td>• Gloves</td>
<td></td>
<td>734-998-8788</td>
<td></td>
</tr>
<tr>
<td>If hand-washing facilities are unavailable use an appropriate antiseptic hand cleaner or antiseptic towelette. As soon as possible, rewash hands with soap and running water.</td>
<td>• Apron</td>
<td></td>
<td><strong>Hospital employees</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Lab coat</td>
<td></td>
<td>Employee Health Service</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Head covers</td>
<td></td>
<td>734-764-8021</td>
<td></td>
</tr>
</tbody>
</table>

### General Housekeeping

- Maintain work area in a clean and sanitary condition
- Decontaminate work surfaces after procedures and when they become contaminated
- Remove protective work surface coverings when contaminated

### Blood or Body Fluid Spill Clean-Up

- Wear appropriate PPE
- Cover spill area with absorbent material (paper towels, blue pads, etc.)
- Saturate spill area with approved disinfectant
- Wait 20 minutes
- Place waste/contaminated materials in autoclave (biohazard) bag for disposal

### Transport

- Consider all laboratory specimens as potentially infectious
- Primary specimen containers are to be placed in a secondary container
- Secondary container must be:
  - Closeable
  - Leak proof
  - Labeled with biohazard sticker
  - Labeled with contact information
- If necessary, attach requisition slips to the outside of secondary container
- Decontaminate or cover reusable, soiled equipment during transport

### Regulated Waste Disposal

- Dispose of sharps in an appropriate plastic sharps container
- Place sharps containers in areas where sharps are commonly used
- Collect solid biohazard materials in 5-gallon biohazard pails available through OSEH
- Autoclave contaminated disposable items and culture media
- Autoclave bags must:
  - Be clear (not orange or red) and
  - Display a biohazard symbol and
  - Display a color-change indicator

### Biohazard Symbol

- Used to identify:
  - Contaminated materials
  - Equipment which cannot be completely decontaminated
  - Laboratories where potentially infectious materials are used
  - Equipment where potentially infectious materials are stored or used
- Contact OSEH for labels

Contact OSEH (734) 763-6973 for assistance, training or copies of this poster.