

# UNIVERSAL HUMAN BLOOD AND BODY FLUID PRECAUTIONS

The following are the key elements of the University of Michigan-Flint's plan to control occupational exposures to bloodborne pathogens. Employees must consider ALL human blood (including human cell lines) and other body fluids as potentially infectious materials and use appropriate protection measures to prevent exposures. Refer to campus Bloodborne Pathogen program and department Exposure Control Plan.

Hand-washing	Personal Protective Equipment (PPE)	Contaminated Sharps	Blood or Body Fluid Exposure	Control the Risk
<p>Extremely important to prevent the spread of biological contamination</p> <p>Wash hands:</p> <ul style="list-style-type: none"> <li>• After contacting blood or body fluids</li> <li>• After removing gloves</li> <li>• Before leaving the laboratory</li> </ul> <p>Wet hands, apply soap, and rub hands vigorously for 15 seconds then rinse</p> <ul style="list-style-type: none"> <li>• Keep fingernails short</li> <li>• Scrub nail area</li> </ul> <p>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</p> 	<p>Dependent on anticipated exposure and task performed</p> <p>PPE worn may include</p> <ul style="list-style-type: none"> <li>• Safety glasses</li> <li>• Splash goggles</li> <li>• Face shield</li> <li>• Shoe covers</li> <li>• Face mask</li> <li>• Gloves</li> <li>• Apron</li> <li>• Lab coat</li> <li>• Head covers</li> </ul> 	<p>Discard in approved / labeled sharps container only</p> <p>DO NOT recap, bend, or break needles</p> <p>DO NOT overfill sharps containers</p> <p>Transport reusable sharps in a leak-proof, puncture-resistant container</p> <p>Use a mechanical device (forceps, tweezers) to place contaminated broken glass in a sharps container</p>  <p><b>Notify EHS of waste containers that need disposal</b></p>	<p>Immediately wash affected skin with soap and water</p> <p>Flush affected eye(s) with water for 15 minutes</p> <p>Apply first-aid, if necessary</p> <p>Report Incident to your Supervisor, DPS, and EHS</p> <p>For employees, follow your department Exposure Control Plan (ECP) for medical treatment and consultation</p> <p>Complete and submit a Laboratory Incident and Near Miss Report Form to EHS @ <a href="mailto:umflint.edu/ehs">umflint.edu/ehs</a></p> 	<p>Use engineering controls:</p> <ul style="list-style-type: none"> <li>• Sharps disposal containers</li> <li>• Hand-washing Facilities</li> <li>• Biological safety cabinets</li> <li>• Autoclaves</li> </ul> <p>Follow safe work practices</p> <p>Wear appropriate PPE</p> <p>Hepatitis B vaccination</p> <p>Exposure Control Plan (ECP)</p> <p>All labs that work with potentially hazardous materials must have a customized ECP available (See EHS website).</p> <p>Annual bloodborne pathogens refresher course training is <b>REQUIRED</b></p> 
General Housekeeping	Blood or Body Fluid Spill Clean-Up	Transport	Regulated Waste Disposal	Biohazard Symbol
<p>Maintain work area in a clean and sanitary condition</p> <p>Decontaminate work surfaces after procedures and when they become contaminated</p> <p>Remove protective work surface coverings when contaminated</p> 	<p>Wear appropriate PPE</p> <p>Cover spill area with absorbent material (paper towels, blue pads, etc...)</p> <p>Saturate spill area with approved disinfectant</p> <p>Wait 20 minutes (or as recommended by disinfectant being used)</p> <p>Place waste/contaminated materials in autoclave (biohazard) bag for disposal</p> 	<p>Consider all laboratory specimens as potentially infectious</p> <p>Primary specimen containers are to be placed in a secondary container</p> <p>Secondary containers must be:</p> <ul style="list-style-type: none"> <li>• Closeable</li> <li>• Leak proof</li> <li>• Labeled with biohazard sticker</li> <li>• Labeled with contact information</li> </ul> <p>If necessary, attach requisition slips to the outside of the secondary container</p> <p>Decontaminate or cover reusable, soiled equipment during transport</p> 	<p>Dispose of sharps in an appropriate plastic sharps container</p> <p>Place sharps containers in areas where sharps are commonly used</p> <p>Collect solid biohazard materials in a 5-gallon biohazard pail available through EHS</p> <p>Autoclave contaminated disposable items and culture media</p> <p>Autoclave bags must:</p> <ul style="list-style-type: none"> <li>• Be clear (not orange or red)</li> <li>• Display a biohazard symbol</li> <li>• Display a color-change indicator</li> </ul> 	<p>Used to Identify:</p> <ul style="list-style-type: none"> <li>• Contaminated materials</li> <li>• Equipment which cannot be completely decontaminated</li> <li>• Laboratories where potentially infectious materials are used</li> <li>• Equipment where potentially infectious materials are stored or used</li> </ul> <p>Contact EHS for labels</p> 

**CONTACT EHS (810) 766-6763 for training or assistance.**  
Attain copies of this poster at: <https://www.umflint.edu/ehs/lab-safety>