Safe Operating Procedure
(Revised 1/19)

BIOHAZARD DOOR POSTINGS

Scope
This SOP applies to all work at UNL that is subject to the UNL Biosafety Guidelines. The content of this SOP is based on signage and labeling requirements established by the following standards:

1. *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules (NIH Guidelines)*, National Institutes of Health
2. *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, Centers for Disease Control and National Institutes of Health

Laboratory Door Postings
Biohazard postings for laboratories are issued and placed by the UNL Biosafety Officer after a biosafety audit has been conducted. These postings are required by the federal standards listed above when: (a) a human, animal, or plant pathogen/pest\(^2\) is present; (b) special provisions for entry into the laboratory are required\(^1\); or (c) the work space is an HIV and HBV Research Laboratory\(^3\). These postings must be placed at the entrance to the laboratory. The posting may contain the following components:

- The universal biohazard symbol (required for all BSLs where infectious agents affecting humans are present)\(^1-3\)
- The name of the agent in use (In accordance with university policy; required for HIV/HBV labs per OSHA Bloodborne Pathogens (BBP) standard)\(^1-3\)
- The Biosafety Containment Level of the laboratory (required for BSL-2 and higher)\(^2\)
- The name and phone number of the PI or other responsible person (required for BSL-2 and higher)\(^1-3\)
- The procedures required for Entry (required for BSL-2 and higher)\(^1-3\)
- The procedures required for Exit (required for BSL-2 and higher)\(^2\)
- Date posted
- IBC Protocol #

Examples of postings for pathogen labs are provided below (Figure 1). Orange signs indicate human pathogens, yellow signs indicate animal pathogens and green signs indicate plant pathogens, pests, or transgenic plants.
The signs will only state the category of biohazardous agent unless the lab is working with HIV/HBV, in which case those agents will be listed. Human pathogens always take precedence when posting biohazard signs; if a lab works with both animal and human pathogens, the lab will have an orange sign (Figure 1A). All signs for labs working with blood or OPIM will contain the same procedure and agent information (Figure 1B). The universal biohazard symbol is omitted from signage for greenhouses and laboratories where work is conducted with agents that are not infectious to humans.

Figure 1 Sample Biohazard Signs for Pathogenic Agent Research Labs
Animal Facility Door Postings

Biohazard postings for animal facilities are issued and placed by the UNL Biosafety Officer after a biosafety audit has been conducted. These postings (required by the federal standards referenced above) are to be posted at the entrance to areas where: (a) infectious materials and/or animals are housed or manipulated, or; (b) special provisions for entry are required. The posting must contain the following components:

- The universal biohazard symbol\(^1\) (If the agent is infectious to humans)
- The name of the agent in use (In accordance with university policy)\(^1\)
- The Animal Biosafety Containment Level of the facility\(^2\)
- The animal species\(^1\)
- General occupational health requirements (In accordance with university policy)\(^2\)
- PPE requirements\(^2\)
- The name and phone number of the PI or other responsible person\(^1\)\(^2\)
- The procedures required for Entry\(^1\)\(^2\)
- The procedures required for Exit\(^2\)
- Date posted
- IBC Protocol #

Figure 2 Sample Animal Facility Signs
Greenhouse Facility and Plant Pathogen/Pest Research Lab Door Postings

Plant biohazard postings for greenhouse facilities and research labs are issued and placed by the UNL Biosafety Officer after a biosafety audit has been conducted. These postings (required by the federal standards referenced above) are to be posted at the entrance to areas where: (a) plants containing recombinant DNA are housed; (b) plants infected with plant pathogens are housed; or (c) plant pests are housed or manipulated. The posting must contain the following components:

- The Plant Biosafety Containment Level of the facility
- The plant-related hazard present
- The plants in use
- Any special procedures for using the area
- PPE requirements (if any)
- The name and phone number of the PI or other responsible person
- Date posted
- IBC Protocol #

![AUTHORIZE PERSONNEL ONLY WHEN EXPERIMENTS IN PROGRESS](image)

<table>
<thead>
<tr>
<th>PLANT CONTAINMENT LEVEL</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Plants ☑️</td>
<td>Plant Pests ☐</td>
</tr>
<tr>
<td>Special Considerations:</td>
<td>Lab coat, gloves and eye protection should be worn as necessary for experiments involving plant pathogens.</td>
</tr>
<tr>
<td>All genetically modified and/or contaminated plant material and soil must be rendered biologically inactive prior to disposal.</td>
<td></td>
</tr>
<tr>
<td>PI:</td>
<td>John Doe</td>
</tr>
<tr>
<td>Date Posted:</td>
<td>9/1/13</td>
</tr>
<tr>
<td>Building:</td>
<td>Plant Science</td>
</tr>
<tr>
<td>Room:</td>
<td></td>
</tr>
<tr>
<td>Primary Contact:</td>
<td>John Doe</td>
</tr>
<tr>
<td>Secondary Contact:</td>
<td></td>
</tr>
</tbody>
</table>

For questions about this posting or to update information, please contact the UNL Biosafety Officer at 472-9354.

IBC protocol # 324