

## BIOHAZARD DOOR POSTINGS

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(For assistance, please contact EHS at (402) 472-4925, or visit our web site at <http://ehs.unl.edu/>)

### 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:

- <sup>1</sup>*NIH Guidelines for Research Involving Recombinant DNA Molecules (NIH Guidelines)*, National Institutes of Health
- <sup>2</sup>*Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, Centers for Disease Control and National Institutes of Health
- <sup>3</sup>*Bloodborne Pathogens Standard, 29 CFR 1910.1030*, Occupational Safety and Health Administration

### Laboratory Door Postings

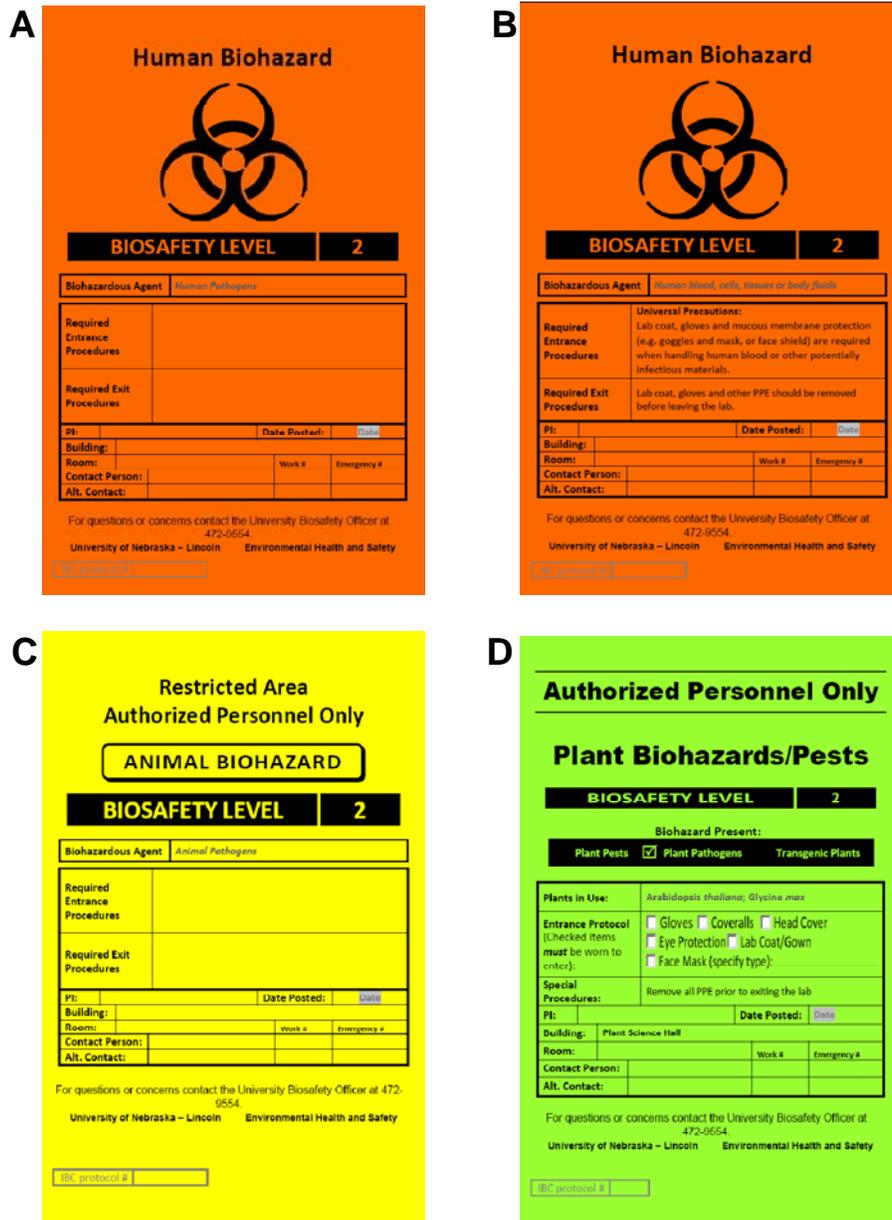
Biohazard postings for laboratories are issued and placed by the UNL Biosafety Officer after a biosafety audit has been conducted. These postings are required by the federal standards listed above when: (a) a human, animal, or plant pathogen<sup>2</sup> is present; (b) special provisions for entry into the laboratory are required<sup>1</sup>; or (c) the work space is an HIV and HBV Research Laboratory or Production Facility<sup>3</sup>. 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*)<sup>1-3</sup>
- The name of the agent in use** (*In accordance with university policy; required for HIV/HBV labs per OSHA Bloodborne Pathogens (BBP) standard*)<sup>1-3</sup>
- The Biosafety Containment Level of the laboratory** (*required for BSL-2 and higher*)<sup>2</sup>
- The name and phone number of the PI or other responsible person** (*required for BSL-2 and higher*)<sup>1-3</sup>
- The procedures required for Entry** (*required for BSL-2 and higher*)<sup>1-3</sup>
- The procedures required for Exit** (*required for BSL-2 and higher*)<sup>2</sup>
- 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.<sup>3</sup> 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**<sup>1-2</sup> (*If the agent is infectious to humans*)
- The name of the agent in use** (*In accordance with university policy*)<sup>1</sup>
- The Animal Biosafety Containment Level of the facility**<sup>2</sup>
- The animal species**<sup>1</sup>
- General occupational health requirements** (*In accordance with university policy*)<sup>2</sup>
- PPE requirements**<sup>2</sup>
- The name and phone number of the PI or other responsible person**<sup>1-2</sup>
- The procedures required for Entry**<sup>1-2</sup>
- The procedures required for Exit**<sup>2</sup>
- Date posted**
- IBC Protocol #**

Figure 2 Sample Animal Facility Signs

Human Biohazard			
			
<b>ANIMAL BIOSAFETY LEVEL</b>		<b>2</b>	
Biohazardous Agent: <i>Human and Animal Pathogens</i>			
Animal Species: _____			
Occupational Health Requirements: _____			
Required Entrance Procedures	<input checked="" type="checkbox"/> Lab Coat/Gown	<input checked="" type="checkbox"/> Shoe Covers	<input checked="" type="checkbox"/> Coveralls
	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Head Cover	<input type="checkbox"/> Face Shield
	<input type="checkbox"/> Face Mask (specify type): _____	<input type="checkbox"/> Goggles	
Required Exit Procedures: _____			
PI:	Date Posted:		Date
Building:	Work #		Emergency #
Room:	Contact Person:		
Alt. Contact: _____			
For questions or concerns contact the University Biosafety Officer at 472-9554. University of Nebraska – Lincoln    Environmental Health and Safety			
IBC protocol # _____			

Restricted Area Authorized Personnel Only			
<b>ANIMAL BIOHAZARD</b>			
<b>ANIMAL BIOSAFETY LEVEL</b>		<b>2</b>	
Biohazardous Agent: <i>Animal Pathogens</i>			
Animal Species: _____			
Occupational Health Requirements: _____			
Required Entrance Procedures	<input type="checkbox"/> Lab Coat/Gown	<input type="checkbox"/> Shoe Covers	<input type="checkbox"/> Coveralls
	<input type="checkbox"/> Gloves	<input type="checkbox"/> Head Cover	<input type="checkbox"/> Face Shield
	<input type="checkbox"/> Face Mask (specify type): _____	<input type="checkbox"/> Goggles	
Required Exit Procedures: _____			
PI:	Date Posted:		Date
Building:	Work #		Emergency #
Room:	Contact Person:		
Alt. Contact: _____			
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IBC protocol # _____			

## Greenhouse Facility Door Postings

Biohazard postings for Greenhouse 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) 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<sup>2</sup>
- The biohazard present
- The plants in use<sup>1</sup>
- PPE requirements<sup>2</sup>
- The name and phone number of the PI or other responsible person<sup>1-2</sup>
- The procedures required for Entry<sup>1-2</sup>
- Any special procedures for using the area
- Date posted
- IBC Protocol #

### Authorized Personnel Only

### Plant Biohazards/Pests

<b>PLANT BIOSAFETY LEVEL</b>	<b>1</b>
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**Biohazard Present:**

<input checked="" type="checkbox"/> Plant Pests	<input checked="" type="checkbox"/> Plant Pathogens	<input checked="" type="checkbox"/> Transgenic Plants
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<b>Plants in Use:</b>	<i>Arabidopsis thaliana; Glycine max</i>
<b>Entrance Protocol</b> <small>(Checked items <i>must</i> be worn to enter):</small>	<input type="checkbox"/> Boots <input type="checkbox"/> Gloves <input type="checkbox"/> Coveralls <input type="checkbox"/> Head Cover <input type="checkbox"/> Eye Protection <input type="checkbox"/> Lab Coat/Gown <input type="checkbox"/> Rain Suit <input type="checkbox"/> Face Mask (specify type): _____
<b>Special Procedures:</b>	Remove all PPE prior to exiting the lab or greenhouse
<b>PI:</b>	<b>Date Posted:</b> <input type="text" value="Date"/>
<b>Building:</b>	Agronomy & Horticulture Greenhouse Z
<b>Room:</b>	Work # <input type="text"/> Emergency # <input type="text"/>
<b>Contact Person:</b>	<input type="text"/>
<b>Alt. Contact:</b>	<input type="text"/>

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IBC protocol # <input style="width: 100px;" type="text"/>
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