



BSL2 Lab Member Training Packet

BSL2 laboratory personnel must receive lab-specific training and demonstrate proficiency in handling BSL2 agents. The purpose of this packet is to provide a comprehensive tool to assist labs with the training process and documentation.

**This form can be completed and stored electronically or printed*

Name:		Date:	
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Manuals

- Review Biosafety Manual
- Review Exposure Control Plan (if working with human derived materials)
 - Complete Hep B vaccine form

My Linc Training

Training is based on the work performed. Review the course catalog and choose **ONLY** the courses relevant to your job duties.

- Review EHS Course catalog (<https://ehs.umich.edu/safety-training/ehs-training-login/>)

Key Biosafety Courses

Complete if working in a BSL2 lab

- Biosafety Training (BSL-2)

Complete if working with any human derived materials (this includes human cell lines)

- Bloodborne Pathogen (BBP) Training for Research Labs

Complete if working with Viral Vectors

- Working Safely with Viral Vectors training (My Linc course, or training can be provided by lab)

Complete if working with Non-human primate materials (excludes cell lines)

- Non-human Primate Awareness training
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Biological Lab-Specific Training

Training should be conducted by the lab director/supervisor or other qualified personnel prior to initiating research.

Lab-Specific Training:

Lab-specific training involves a review of the lab's approved research, equipment, and emergency features.

- Review IBC registration
- Review biological Standard Operating Procedures (SOPs)
- Review safety requirements for animal research including zoonotic diseases (if applicable)
- Review of lab-specific equipment (i.e. centrifuge, cryostat, cell-sorters, biosafety cabinet, etc.)
- Review of emergency features of the lab (i.e. eyewash stations, showers, fire extinguishers, spill kit, disinfectants, etc.)

Agent-Specific Training:

Agent-specific training is the review of the lab's biological materials in use.

- Review characteristics of biological materials in use.
 - Discuss if biological materials in use have special characteristics such as:
 - Increased stability or transmission
 - Altered host range
 - Antibiotic resistance
 - Mutation, enhancements, or other special traits, etc.
- Review applicable Pathogen Safety Data Sheets (if available).
(<https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment.html>).
- Discuss risk groups of infectious agents.
- Discuss mode of transmission.
- Discuss symptoms.
- Discuss agent specific inactivation/decontamination.

Proficiency Training:

Proficiency training is the process of gaining competency in lab-specific protocols and safe practices with BSL2 materials, prior to working independently. Competency is the ability of personnel to apply their skill, knowledge, and experience to perform their laboratory duties. Prior experience may be considered when determining a person's proficiency. New tasks, techniques, equipment etc., may require further competency training.



Basic Core Competencies:

Safety

- Understanding of safe work practices in the lab (proper PPE, waste disposal, etc)

Exposures/accidents

- Knows what to do in the event of a biological exposure, or spill, and how to report.
- Knows how to operate safety equipment in lab (i.e. eye wash)

General laboratory concepts

- Understanding of Standard Microbiological Practices (SMPs) in a BSL2 setting (Biosafety Manual Section 3: Biosafety Laboratory Practices)

Technical Skill Competencies:

Use the table below to document competency training of techniques for working with BSL2 materials.

Check all that apply

- Will gain competency by practicing the techniques required to safely handle biological materials before working independently.

And/Or

- Based on previous experience (listed above in Prior Work Experience), lab member has demonstrated proficiency in handling BSL2 materials or in performing specific tasks.

Description of Technique/Task/Equipment:	Agent(s) Used: (if applicable)	Date:	Trained by:
<i>Example: Cell culture</i>	<i>HEK cell lines</i>	<i>01/01/2022</i>	<i>John Smith</i>

