



## Bio Basics Fact Sheet: U of M Requirements for Working at Biosafety Level 2 (BSL2) Including Attenuated Lab and Vaccine Strains

### Purpose:

To provide a concise check list of the requirements University of Minnesota research labs must meet in order to work at Biosafety Level 2. The intent is to provide a safe work environment and to meet compliance regulations.

### Requirements:

- Perform [risk assessments](#) for the work to be done with each organism in order to determine potential hazards, risk of exposure to those hazards, and appropriate exposure control techniques to be implemented.
- Use the information gathered in the above risk assessment to write [Standard Operating Procedures \(SOPs\)](#).
- Before work is started, receive Institutional Biosafety Committee (IBC) approval by [submitting SOPs and an application form](#) to the committee. Approved protocols are effective for three years with annual review.

**NOTE:** *Laboratory space assignment and animal housing biosafety levels must be included as part of the IBC approval process.*

- [Certify biological safety cabinets annually.](#)
- Complete *NIH Required IBC Training Presentations* through IBC, <http://cflegacy.research.umn.edu/ibc/training/index.cfm> if work involves recombinant DNA material or artificial gene transfer.
- Provide annual lab-specific safety training including review of SOPs. Document training.
- All workers must complete annual [Bloodborne Pathogen/Infectious Material training](#). This may be done through the worker's department or Environmental Health and Safety.
- Follow all procedures for working at [BSL 2 in Biosafety in Microbiological and Biomedical Laboratories \(BMBL\) 5th Edition](#) and the [Biosafety Manual](#) section of the DEHS web page.
- Complete an annual [biosafety evaluation and biological materials inventory](#) update with Environmental Health and Safety.