

MIT Undergraduate Lab: Biosafety Level 1 (BL1) Practices and Procedures
--

1. Biosafety Level 1 (BL1) is a classification reserved for teaching laboratories where work is being done using only non-infectious, BL1, bacteria.
2. BL1 represents a degree of containment, which relies on standard microbiological practices, however, no primary or secondary containment shields are required other than a sink for washing hands.
3. Protective equipment to minimize exposure for students, TAs and staff will include required lab coats, gloves, and safety glasses while working with and handling biological agents.
4. TAs will clean up any biological spills promptly in the laboratory. The TAs will decontaminate the work counters and equipment with bleach on the completion of work each day.
5. All liquid cultures need to be inactivated with bleach to a final volume of 10% bleach right after the experiments and after 20 minutes, resulting inactivated liquid cultures can be disposed of down the drain. The TAs will provide squeeze bottles with bleach solutions.
6. Students will place all contaminated gloves, pipette tips, culture tubes into a biohazardous waste can. Any contaminated sharps will be placed into the biosharps container. TAs will autoclave any solid biohazardous waste and all materials used for bacteria cultures.
7. Autoclave biohazard bags will be taped to the front of lab benches.
8. The area of the lab where work is taking place will be taped off limiting access.
9. All students, TAs, staff will wash hands with anti-bacterial soap before and after handling materials, after changing gloves and before leaving lab.

MIT OpenCourseWare  
<http://ocw.mit.edu>

5.301 Chemistry Laboratory Techniques  
January IAP 2012

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.