

BSL-1 Checklist For Microbiology Projects

This form must be used for EVERY project that involves the use of microorganisms
All microorganisms MUST be purchased from a biological supply company.
For team projects, each student must complete a form.
Form must be shown at Check-In.

Student Name _____

Laboratory Practices:

1. All experimentation MUST be done in a BSL-1 level laboratory (may not be done at home).
2. Supervision by Qualified Scientist is required (Qualified Scientist form also required).
3. All microorganisms must be purchased from a biological supply company and cannot be collected from the environment.
4. Wash hands before and after handling cultures.
5. Eating, drinking, handling contact lenses and applying cosmetics is forbidden.
6. All procedures minimize the creation of aerosols or splashes.
7. Once culturing begins, petri dishes are sealed with masking tape or Petri-Seal and are not re-opened.
8. Work surfaces and equipment used are decontaminated with disinfectant (10% bleach solution) when work is completed and after any spill.
9. All cultures must be disposed of properly, according to guidelines at <https://student.societyforscience.org/international-rules-pre-college-science-research>

Safety Equipment Requirements:

1. Protective laboratory coats/aprons are worn and remain in the laboratory after use. They are never taken outside of the laboratory.
2. Suitable disposable gloves must be worn.
3. Protective eyewear is used.

Laboratory Facility Requirements:

1. Laboratory has a sink for hand washing.
2. An eyewash facility is easily accessible within the laboratory.
3. Laboratory can be easily cleaned and decontaminated. (No carpets or rugs.)
4. All bench tops are impervious to water.
5. If windows are open, they are fitted with fly screens.
6. Sharps are discarded in a puncture-resistant sharps disposal container.
7. A fire extinguisher and first aid supplies are easily accessible.

Student Signature

Date

Qualified Scientist Signature

Date