

Safety in the laboratory

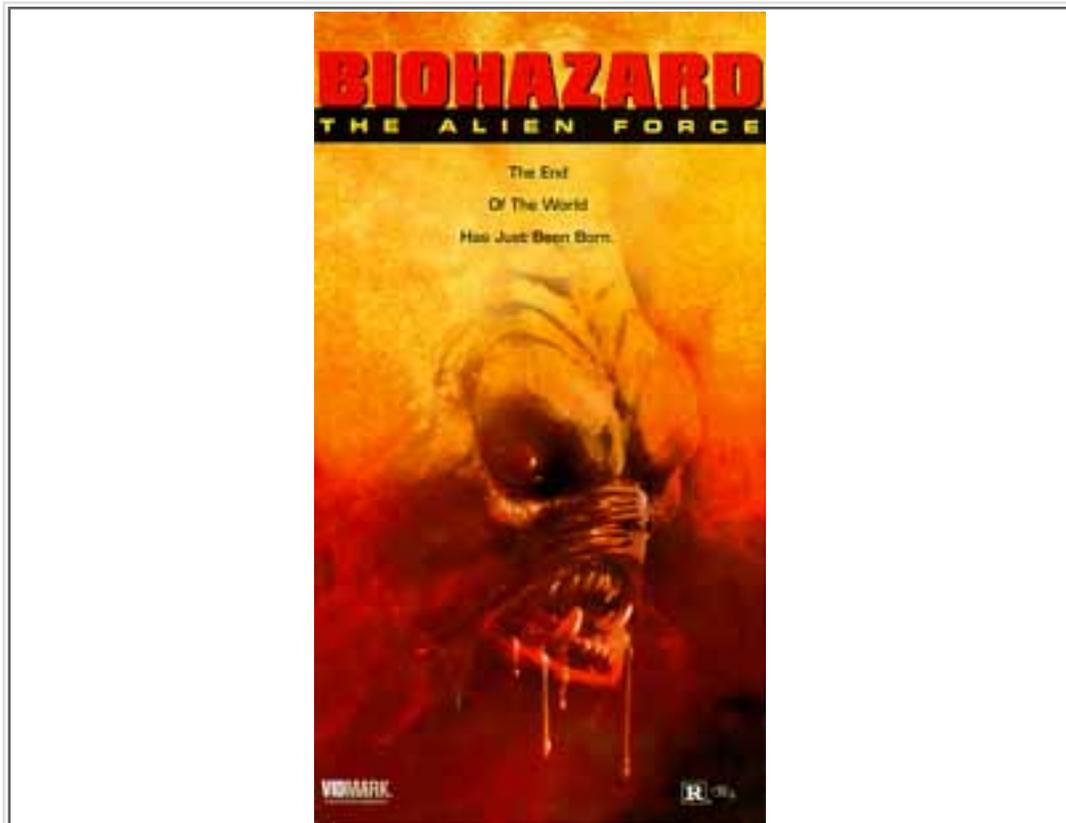


You will receive a four-page handout, detailing the safety rules of the Department of Biology, as well as specific instructions for Biology 572L. Some are listed below:

- In case of accident, notify Dr. Metzenberg **immediately**.
- Emergency services can be reached by dialing 9-911 (from a campus phone) or 911 from a pay phone.
- Do not eat, drink, smoke, apply makeup or chew gum, pencils, fingernails, etc. in the laboratory, nor should you "mouth pipette". This is a standard rule in all molecular biology labs - particularly those in which radioactive compounds are used. The reason is that these behaviors can lead to your ingesting chemicals, microorganisms, etc. Wash your hands thoroughly with soap and water at the beginning and end of each laboratory session.
- Do not wear open toed shoes. In fact, even wearing running shoes with an open-weave surface is a hazard. Your feet are susceptible because you often hold bottles in front of you when you walk - if the bottle breaks, the material lands on your feet. If the liquid is corrosive or boiling hot, your feet will be burned.
- Where is the fire extinguisher? (it's by the door) Where is the nearest safety shower (rm 4209) or eyewash station (at sink)?
- Broken glass and any other sharp objects should not be put in the trash - they might injure the custodians. See the receptacle marked "Broken Glass". Hazardous chemicals should be disposed of in the appropriate receptacles, not in the trash or sink.
- Report spills to Dr. Metzenberg - microbial spills should be properly disinfected.
- Wear your lab coat. When you are working with dangerous chemicals (e.g. chloroform, phenol), wear eye goggles and gloves.
- Do not store bags, backpacks, or purses where others may trip on them. Do not store them on the countertop, where chemicals or microorganisms might contaminate them.
- Properly label all your cultures, media, solutions, tubes, etc., with your initials and a number that refers back to your lab book, and an indication of the contents.
- Do not hide common equipment in your drawers. If you lock your drawer, give Dr. Metzenberg the combination to the lock.
- Do not expose your eyes to ultraviolet light (for example, the trans-illuminator). Use the UV-opaque face shield and Plexiglas cover.
- Be careful when using mechanical equipment with moving parts (e.g. the belt drive on the vacuum pump can catch long hair or loose clothing). Balance a centrifuge rotor carefully, and do not touch a moving rotor.

- Be careful around open flames. Always turn off burners before you walk away.
- Do not create aerosols of microorganisms or dangerous chemicals.
- Be careful when handling microwaved or autoclaved solutions. They may be superheated.

When you have read and understood the handout, tear off the last two pages, take the quiz and sign the agreement. Return these sheets to Dr. Metzenberg.



BIOHAZARD The Alien Force

What begins as the latest experiment in genetic engineering quickly turns into a biological nightmare. After escaping from Donald Brady (Chris Mitchum), the ruthless head of Triton Corporation, a reptilian mutant creature goes on a devastating rampages. The creature hunts down its human tissue donors and kills them for the spinal fluid it desperately needs to survive. Hot on the creature's trail is former Triton security chief, Mike Reardon (Steve Zurk) and newspaper reporter Nicki Carstairs (Susan Fronsoe). They set out to find the monster before the scientists can recapture the creature and mate it with a female. If mating occurs, a new generation of mutants capable of completely destroying mankind will conquer the world.

<http://www.trimarkpictures.com/vidmark/library/biohazard.html>