



What is General Safety?

A multi-disciplinary approach to:

- Developing and ensuring safe work practices

- Maintaining the health and well-being of employees

- Ensuring compliance with regulatory agencies.

EHS works to promote healthy and safe operations to protect all students, faculty, staff, and visitors.

Hazard awareness helps you recognize potential hazards in your workplace and is the key to preventing injuries and illnesses.

Common Accidents at SLU

Most common accidents for 2023:

1. Needle stick injuries
2. Falls
3. Lacerations
4. Strains

Prevention:

Wear proper PPE and utilize safety equipment

Keep workspaces clean and walkways clear

Lift objects using proper techniques

Common Laboratory Accidents

| Laboratory Accident | Injury | Prevention |
|-------------------------|---|--|
| Spill or Splash | Eye injury, skin irritation, topical burn, inhalation of dangerous fumes, slip/fall, and impact injury. | Keep work area clean, follow procedures, avoid hasty movements, and wear appropriate PPE (e.g., safety glasses and lab coat). |
| Sharps Exposure | Skin puncture from needle, scalpel, or other sharp object. | Use needle devices with safety features and utilize sharps containers. |
| Slips, Trips, and Falls | Fracture, head injury, sprain, strain, back injury, and concussion. | Clean up spills immediately, wear slip-resistant shoes, utilize handrails, stay alert when walking, and report identified hazards. |

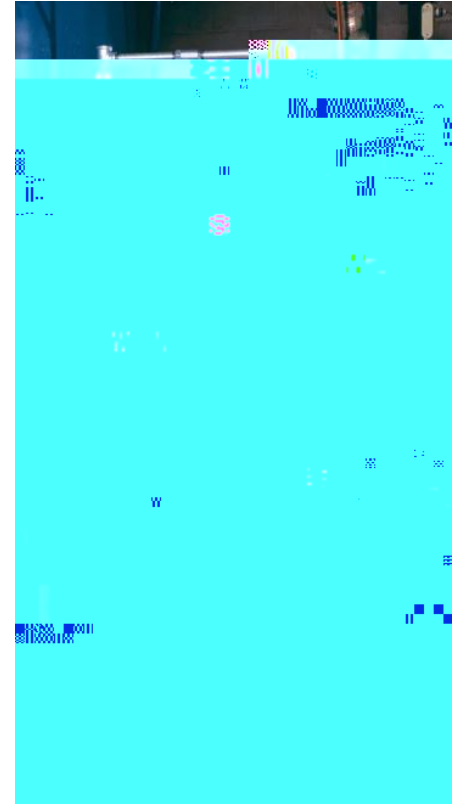
Slips, Trips, Falls

Safety Showers

Safety showers are tested annually by EHS.

The area around safety showers should be free from lab equipment and other obstructions.

Don't be afraid to use it when needed!



Eye Washes

Eye washes inside the laboratory must be flushed weekly by lab personnel to ensure proper function.

Eye wash/safety shower combinations in common areas are tested by EHS.

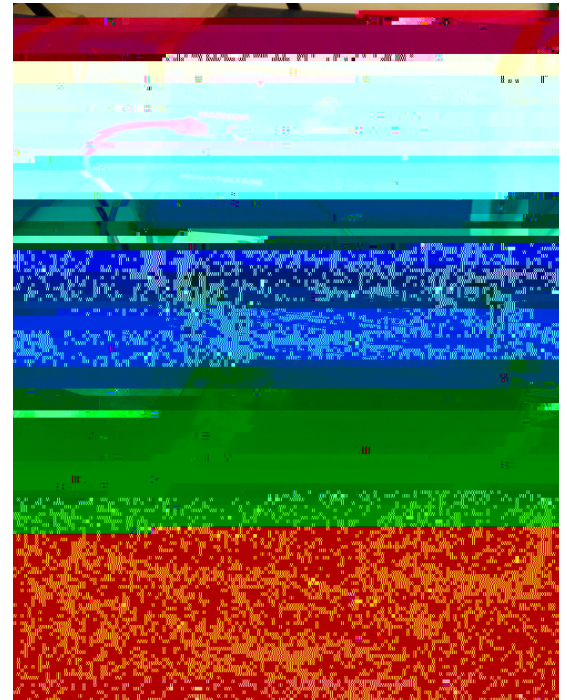
The area around eye washes should be free from lab equipment and other obstructions.

The image shows a screenshot of a spreadsheet titled "Eye Wash and Safety Shower Inspection Record". The spreadsheet has a header row with the following columns: "Date", "Location", "Inspector", "Status", "Notes", and "Frequency". Below the header, there are several rows of data. The first row is highlighted in red and contains the following information: "10/10/2024", "Lab 1", "John Doe", "Pass", "No issues found", and "Weekly". The second row is highlighted in blue and contains: "10/10/2024", "Lab 2", "Jane Smith", "Fail", "Leaking water from nozzle", and "Weekly". The third row is highlighted in green and contains: "10/10/2024", "Lab 3", "Mike Johnson", "Pass", "All components working", and "Weekly". The fourth row is highlighted in yellow and contains: "10/10/2024", "Lab 4", "Sarah Lee", "Pass", "Minor maintenance needed", and "Weekly". The fifth row is highlighted in purple and contains: "10/10/2024", "Lab 5", "David Kim", "Pass", "No issues found", and "Weekly". The sixth row is highlighted in orange and contains: "10/10/2024", "Lab 6", "Emily White", "Pass", "All components working", and "Weekly". The seventh row is highlighted in pink and contains: "10/10/2024", "Lab 7", "Chris Brown", "Pass", "No issues found", and "Weekly". The eighth row is highlighted in light blue and contains: "10/10/2024", "Lab 8", "Alex Green", "Pass", "All components working", and "Weekly". The ninth row is highlighted in light green and contains: "10/10/2024", "Lab 9", "Mia Black", "Pass", "No issues found", and "Weekly". The tenth row is highlighted in light purple and contains: "10/10/2024", "Lab 10", "Noah Gray", "Pass", "All components working", and "Weekly".

| Date | Location | Inspector | Status | Notes | Frequency |
|------------|----------|--------------|--------|---------------------------|-----------|
| 10/10/2024 | Lab 1 | John Doe | Pass | No issues found | Weekly |
| 10/10/2024 | Lab 2 | Jane Smith | Fail | Leaking water from nozzle | Weekly |
| 10/10/2024 | Lab 3 | Mike Johnson | Pass | All components working | Weekly |
| 10/10/2024 | Lab 4 | Sarah Lee | Pass | Minor maintenance needed | Weekly |
| 10/10/2024 | Lab 5 | David Kim | Pass | No issues found | Weekly |
| 10/10/2024 | Lab 6 | Emily White | Pass | All components working | Weekly |
| 10/10/2024 | Lab 7 | Chris Brown | Pass | No issues found | Weekly |
| 10/10/2024 | Lab 8 | Alex Green | Pass | All components working | Weekly |
| 10/10/2024 | Lab 9 | Mia Black | Pass | No issues found | Weekly |
| 10/10/2024 | Lab 10 | Noah Gray | Pass | All components working | Weekly |

Electrical Safety

Lab equipment and other electrical items should be inspected regularly for damaged or frayed cords.



Gel Electrophoresis

https://en.wikipedia.org/wiki/File:Gel_electrophoresis_apparatus.JPG

Fire Safety and Evacuation

Know the locations of nearby fire extinguishers and know how to operate them.

Know your location's emergency evacuation plan and assembly area.

Fire extinguishers are classified by fire type.

First Aid Basics

DPS offers Basic Life Support Classes (CPR/AED/First Aid)

Classes are held on an as needed basis.

For additional information, please contact Officer

Marble at brian.marble@slu.edu.

First aid kits required in laboratories

Lab personnel should be aware of the location of the first aid kit.

Fatigue and Stress Management

Signs and symptoms of workplace fatigue:

- Feeling tired, weary or sleepy

- Difficulty keeping eyes open

- Feeling physically or mentally exhausted

- Difficulty concentrating, impaired focus

- Increased errors in judgement, flawed logic

- Emotional instability or irritability

Prevention:

- Report any fatigue-related events to a manager.

- Check in with co-workers to ensure everyone is coping with work hours and demands.

- Do not work if stressful feelings/fatigue threaten the safety of yourself or others.

- Avoid working alone (late nights and weekends).

Summary

Contact ehs@slu.edu