STANDARD OPERATING PROCEDURE TEMPLATE · LABORATORY SAFETY (OSHA)

Spill Cleanup (Biological and Chemical)

Governing requirement: OSHA 29 CFR 1910.1030(d)(4) and 1910.1450

Applies to: ☑ Waived ☑ Moderate complexity ☑ High complexity

Laboratory name		**CLIA number**	
Document number		**Version**	
Effective date		**Next review due**	
Author		**Department / section**	
Approved by (laboratory director)		**Director signature**	
Approval date		**Supersedes document**	

Important: Template only. Before use, this document must be reviewed, adapted to your laboratory's instruments, test systems and the manufacturer's instructions, and approved, signed and dated by the laboratory director. Check current federal, state and accreditation requirements. Not legal advice. Sound Lab Consultants is not affiliated with or endorsed by CMS, CDC, FDA, OSHA, CAP, COLA, The Joint Commission, CLSI or any manufacturer.

1. Purpose

To clean spills safely.

2. Scope

Biological and chemical spills in the lab.

3. Responsibility

- Laboratory director / safety officer: implements and updates this plan at least annually.
- Supervisor: provides training, ensures equipment and PPE are available and investigates incidents.
- All employees: follow the plan, use PPE and report exposures, spills and hazards immediately.

4. Definitions

Contact time: Time a disinfectant must remain wet to work.

5. Materials, equipment and records

- Spill kits **[Locations]**

Locations	

- EPA-registered disinfectant **[Product and contact time]**

Product and contact time	

- Absorbent, forceps, waste bags

6. Procedure

1. Alert others and secure the area.

2. Put on gloves, gown, eye protection.

3. Biological: cover with absorbent, apply disinfectant from the outside in, wait contact time, clean, disinfect again.

4. Pick up broken glass with forceps, never hands.

5. Chemical: consult SDS; use appropriate absorbent/neutralizer; evacuate for large or highly toxic spills.

6. Dispose of waste properly.

7. Report the spill and any exposure.

7. Quality control

• Inspect safety equipment and supplies on the schedule in this plan and record results.

• Review incidents and near misses at least quarterly.

8. Interpretation, reporting and documentation

• Record the activity, date, result and initials on the form or log, and have the supervisor review records **[Review frequency]**.

Review frequency	

• Keep records per the record retention SOP (at least 2 years under 42 CFR 493.1105 unless a longer period applies).

9. Limitations and cautions

• This is a generic template. Adapt it to your instruments, test systems, manufacturer instructions, state law and accreditation standards before use.

10. References

• OSHA, 29 CFR 1910.1030 Bloodborne pathogens
https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1030

• OSHA, 29 CFR 1910.1450 Occupational exposure to hazardous chemicals in laboratories
https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1450

• CDC, Guidelines for safe work practices in human and animal medical diagnostic laboratories (MMWR 2012)
https://www.cdc.gov/mmwr/preview/mmwrhtml/su6101a1.htm

11. Lab-specific notes

Notes and local requirements	

12. Revision history

Version	Date	Description of change	Author	Approved by

13. Annual review log

Procedures and changes must be approved, signed and dated by the current laboratory director before use (42 CFR 493.1251(d)).

Review date	Reviewed by	Signature	Changes needed (Y/N)	Comments

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