Laboratory Decontamination Protocols:

General Materials:

- Bucket
- Bleach
- Tap water
- Deionized [DI] water
- Bunsen Burner
- Lighter
- Ethanol (EtOH)
- Paper Towels
- Beaker

Cleaning Prep

1. Generate a 10% bleach solution
    a. 9:1 – Bleach : Water (Tap or DI)

Cleaning Benches

1. With a pair of gloves on, place a generous amount of 10% bleach solution onto your bench surface
2. Spread the bleach solution using a paper towel, ensuring all usable bench space remains damp with the bleach solution for at least 1 minute
3. Allow the bench to air dry
4. If desired, remove any remaining bleach with a paper towel saturated with DI water

Cleaning Tube Racks

1. Place used tube racks into a bucket
2. Fill with 10% bleach solution so all racks are covered
    a. Typically requires 0.6 L bleach:5.4 L of tap water for a 2 gallon bucket
3. Let soak for 10 minutes
    a. Rotate racks if necessary and let sit for an additional 10 minutes
4. Drain the bucket into the sink and fill with tap water 3x to rinse off the bleach solution
5. Repeat 2x more times with DI water
6. Rinse each individual rack under running DI water and set aside to air dry

Flame Sterilizing Forceps

1. Place forceps into a 10% bleach solution in beaker, and let sit for 10 minutes
2. Tap rinse the forceps 3x, DI rinse 3x
3. Dry the forceps and place them on a clean paper towel
4. Ignite bunsen burner
5. For each pair of forceps:
    a. Submerge prongs into 100% EtOH → place into flame → Repeat 3x
6. Place into a rack (prongs up) to be used

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