
Coy Isolation Glove Box :

Location of Glovebox: Composites Lab, RFM 1218

Location of SOP & Safety Manual: Composites Lab website under resources; Composites Lab TRACS site; and Hardcopy near glove box.

Emergency Contact:

- Call 911
- Call EHS & Risk Management at 512-245-3616
- Call Head Lab Technician, Dr. Ray Cook (office 512-245-2050)
- Call Dr. Jitendra S Tate (office 512-245-4872)

Before using Glove Box:

- You must have permission from Dr. Tate.
- You must have received formal training from technician or, trained research student (designated by Dr. Tate) related to glove box safety and operation.
- You must read and understand **SOP.**
- You must use glovebox under direct supervision of Dr. Tate or, Dr. Cook or, trained research student (designated by Dr. Tate).
- You must have signed “Lab Rules” document with Dr. Tate. This document must be signed every semester fall, spring, and summer (as applicable).
- If you do NOT follow above instructions you will be held responsible for your own safety and damages.

Safety Precautions:

Protective Equipment: Prior to performing this procedure, the following personal protective equipment must be obtained and ready for use: **Half Mask Respirator, Gloves, Safety Goggles, Lab Coat .**

Important Safeguards:

- Bringing water or air into the box.
- All flasks brought in must be nitrogen-filled or evacuated.
- Make sure all empty containers are open .
- Remember to open packets containing syringes etc. before bringing them in.
- Having both the inner and outer door to the antechamber open at the same time.
- Putting holes in the gloves.
- you need to purge the box atmosphere before re-opening.
- Do not use abrasive cleaners at any time.
- Do not use any solvent like liquids to clean the plastic. isopropyl alcohol is acceptable.

- Keep equipment and shelving units within easy reach so you do not stretch the chamber sleeves.
- Rings and jewelry should be removed prior to using so as not scratch the polycarbonate or tear the arms or gloves.
- Protect the chamber from organic solvent fumes and nearby painting and plastering. if splashed, wipe immediately while wet with a soft cloth.
- Sucking the gloves into the box. If you leave the inner antechamber door open and evacuate the antechamber, you evacuate the inside of the box. The gloves will suck in, balloon up and then burst.



OPERATIONAL OVERVIEW :

- Prior to every use, you must wipe the door seal(s) to ensure an airtight seal.
- Use a clean dry cloth: add a drop of isopropyl alcohol if a lot of debris collects here.
- Inspect the gloves and diaphragm top for holes and punctures and inspect the glove box for cracks to the polycarbonate. If any damage, do not use the isolation glove box.
- Place mail and packages inside the glove box.
- Close door and turn the latches into each door catch. This will ensure an air tight atmosphere.
- Remove any watches, jewelry, bracelets and rings before you insert your hands into the neoprene gloves.
- Open mail and packages. If any suspected contaminate is found, remove hands from the gloves, wash hands and contact the proper authorities.
- DO NOT OPEN THE DOOR TO THE GLOVE BOX.
- LATEX WARNING : Latex Gloves/cuffs with powder could be installed on this quipment.