Photoresist Develop Wet Bench – FabLab

ID: photo-10  Location:  Photo Tunnel, FabLab

NOTE: This Bench is for developing photoresist only. Use other wet benches for any other wet processing you need to do.

Working with wet chemicals can be hazardous if you don’t follow the proper procedures at all times. Violating procedure risks not only your health but also the health and safety of other users and may result in loss of access to FabLab for an extended period of time.

DO:
- Read and understand the Materials Safety Data Sheets (MSDS) for all of the chemicals you will be using. Copies are in a binder in the Change Room or you can find them online at http://www.msdssearch.com/find.htm or from the vendor.
- Wear appropriate personal protective equipment at all times, including double gloves, lab coat, booties and safety glasses.

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- Wear an apron and a face shield when pouring caustic developer from 1 gallon size containers. Replace gallon containers in storage area below wet bench. Please inform FabLab staff when these chemicals are running low.
- Keep the sash at or below the marks on the side of the bench.
- You must remain in the lab when using one of the hot plates.
- Long-term storage of solutions in beakers may be left in the back of the wet bench only with the prior approval of FabLab staff. All containers must be labeled with a description of the contents (i.e. MF 340 Developer), a date, name of the owner and a phone number/email address.
- Flush aqueous developers down the sink when done. Collect all non-aqueous developers and place them in a properly labeled container for disposal. Do not put non-aqueous developers down the drain; save them for later disposal in a properly marked container. If in doubt, ask FabLab staff for assistance.
- Wipe off the bench top with a damp wipe when finished. Clean all glass/quartzware.
- Remove and properly dispose of outer gloves when done.

DO NOT:
- Put your head inside of the wet bench.
- Sit down in front of the wet bench.
- Fail to use personal protective equipment.
- Walk away from the wet bench without cleaning up your mess.
- Leave the lab when using the hot plate.
- Leave unlabeled containers in the wet bench.
- Under any circumstances, use anything other than developer in this bench.
- Have more than 2 people working at the same time.