

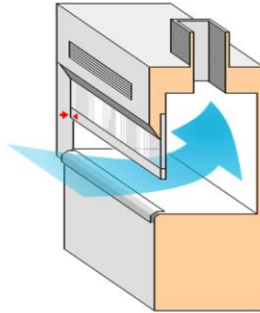
CDA Lab safety bulletin

November, 2020

Right use of fume hoods

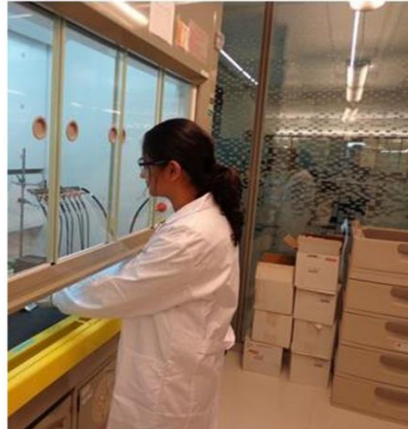
Definition of a Fume Hood

A ventilated enclosure where harmful or toxic fumes can be safely handled while protecting the laboratory worker



Vertical Sash

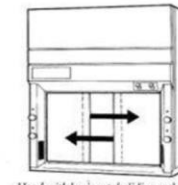
- ✓ Work with sashes down as low as practical
- ✓ This gives protection against fumes, vapors – as well as splashes



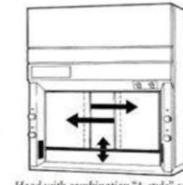
Common Sash Types



Vertical



Horizontal



Combination

Source: Labconco, Inc.

All fume hoods at KAUST are combination

Horizontal Sash

- ✓ Close the sashes as much as is practical
- ✓ And work with the sash IN FRONT of you
- ✓ If there is a risk of explosion/implosion, use a blast shield in addition to the sash



Golden Rules For CHEMICAL FUME HOODS



1. Make sure the hood is working.

2. Keep the sash down except when working in the fume hood.



3. Raise the sash only the minimum needed to perform the work.

4. Work six to eight inches inside the plane of the sash.



5. Keep hood area clear and rear vent unobstructed.

6. Raise equipment off hood deck.
(Use PVC pipe donuts, not wood.)



7. Remove flammables and unnecessary stuff.

8. Understand the limitations.



9. Check / inspect operation at least annually, sash cables every 2-3 years.

10. Wear proper personal protective equipment (PPE).



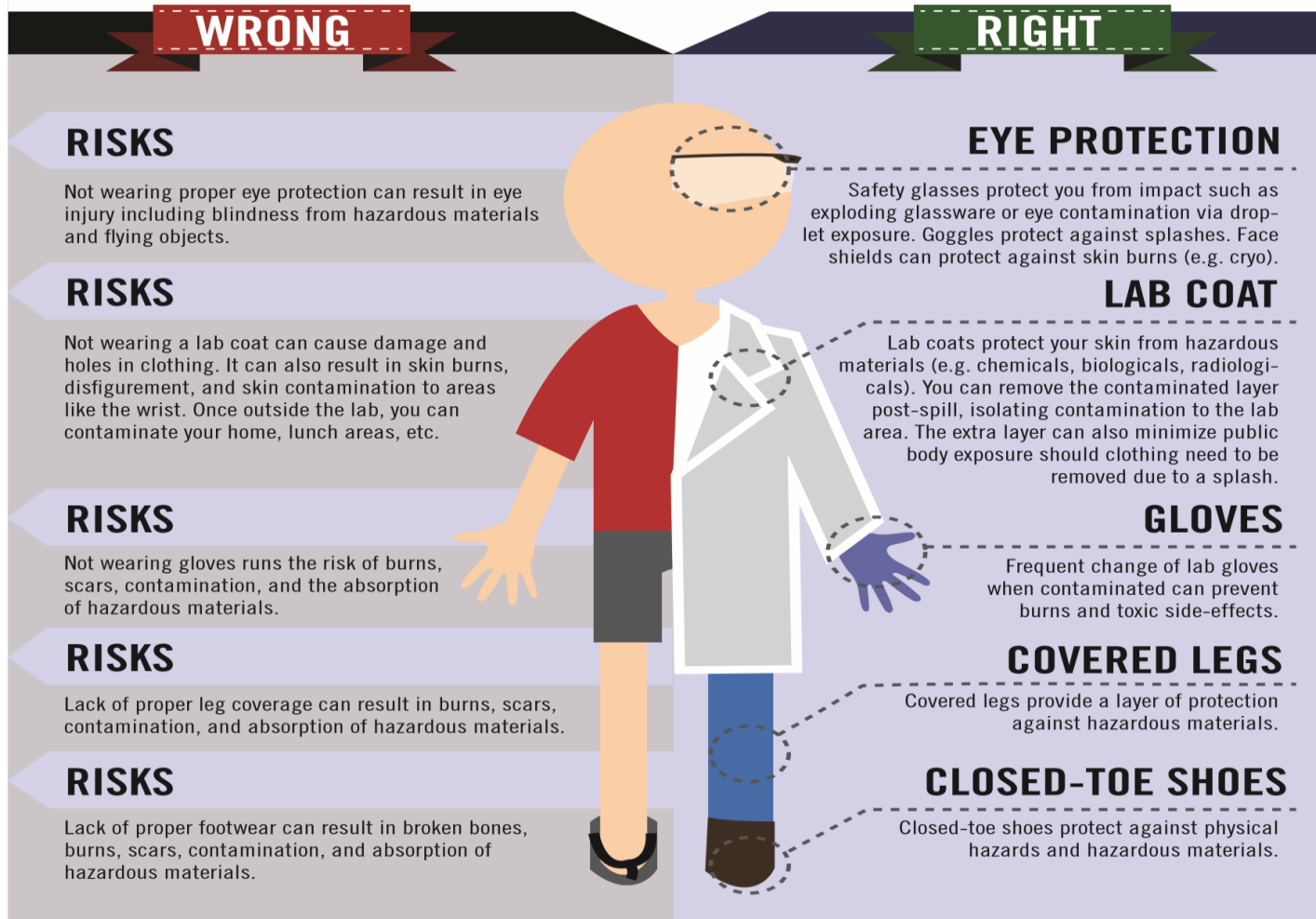
11. Run cords, cables and tubing under the air foil.

12. Move arms slowly in and out of the hood.

PPE (Personal protective Equipment)

DON'T BE ON THE WRONG SIDE OF SAFETY

Wet Lab Personal Protective Equipment (PPE)



Face coverings are public health measures during the COVID-19 global Pandemic, and not considered personal protective equipment (PPE).

Lab Safety Recognition Awards




If you know someone that meets the following criteria?

- Initiates and/or lead a successful safety initiative;
- Regularly reports unsafe working laboratory conditions and works to correct them;
- Promotes safe behavior and a safe working environment inside the laboratory;
- Leads changes in procedures, training or other administrative controls that help improve safety within the laboratory;
- Engages lab members in creating a safety culture within the lab.

Nominate them for the Laboratory Safety Recognition Award. This is open to anyone working in a laboratory.

Nomination Link: [Lab Safety Recognition Awards-2020 - Formstack](#)




KEEPING KAUST SAFE
www.kaust.edu.sa/keepKAUSTsafe

Health, Safety and Environment


FEELING UNWELL?

Patients with COVID-19 symptoms have experienced mild to severe respiratory illness



Symptoms can appear **2-14 days** after you are exposed to the virus that causes COVID-19.


For mild symptoms




Fever



Cough



Sore throat




Shortness of breath


For acute symptoms




Trouble breathing



Persistent pain or pressure in the chest



New confusion or not able to be woken



Bluish lips or face

Contact the KAUST Health call center on 012 808 0940
If outside clinic hours, call KAUST Health on 012 808 4444

In an emergency, including difficulty breathing, call **012 808 0911** for immediate assistance



KEEPING KAUST SAFE
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Health, Safety and Environment

Wash Your Hands



Use a Face Covering



Report Illness



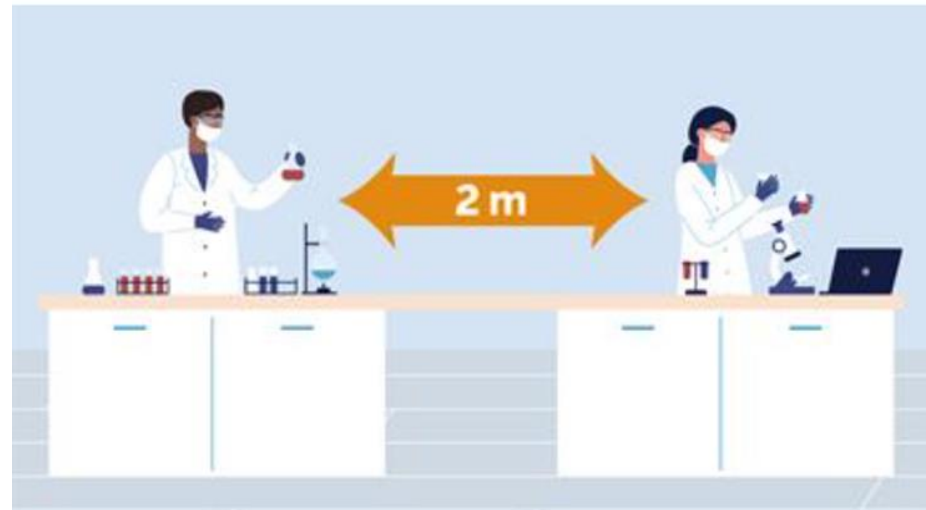
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If outside clinic hours, call KAUST Health on 012 808 4444

Cover Coughs and Sneezes



Practice Physical Distancing







KEEPING KAUST SAFE
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Health, Safety and Environment

Cover Coughs and Sneezes

1



Cover your mouth and nose with a tissue when you cough or sneeze.

2



Put your used tissue in the trash bin

3



If you don't have a tissue, cough or sneeze into your upper sleeve or elbow, not your hands.

4



Wash your hands with soap and running water. Dry your hands thoroughly with a disposable paper towel or hand dryer.

**SAFETY
FIRST**

**SAFETY IS
EVERYONE'S
RESPONSIBILITY**