

Precautions for Using the Center for Instrumental Analysis

Precautions for Use

1. To use the equipment at the Center for Instrumental Analysis, individual user qualification for each instrument is required. In principle, reservations should be made by the user themselves.
2. Using the recommended hours are weekdays from 9:00 a.m. to 5:00 p.m. While some equipment may be available outside these hours, please avoid using it whenever possible, as staff will not be able to provide support if any problems occur.
3. For both the new and old buildings, the entrance doors are unlocked on weekdays from 8:30 a.m. to 5:15 p.m. If you plan to use the facilities outside these hours (at night or on holidays), please borrow the room key and the entrance card key in advance. When borrowing the keys and card key, be sure to fill in the required information in their respective logbooks. After using the equipment, please return the keys and card key promptly.
4. The lending of room keys and card keys is handled at the Center for Instrumental Analysis office on weekdays from 9:00 a.m. to 4:00 p.m.
5. Shoes are prohibited inside the Center for Instrumental Analysis. To maintain a clean environment, please change into the provided indoor slippers. However, the room where liquid nitrogen is dispensed should be entered with outdoor footwear.
6. Smoking is strictly prohibited throughout the Center for Instrumental Analysis building, as it is on campus. In addition, eating and drinking are not allowed inside any equipment rooms.
7. After using the equipment, please return the room to its original condition and clean it so that it is even tidier than before use.
8. Even if you leave the room during an experiment, please turn off the lights and lock the door. If a room is found unlocked while the user is absent, it may be considered an oversight and locked by staff.
9. To prevent the introduction or spread of Computer viruses, data extraction should, in principle, be carried out using CD-R or DVD-R media.
10. Please also follow any instructions posted within the Instrumental Analysis Center, such as notices and signs.
11. For the latest information on equipment and related updates, please refer to the announcements on the Center for Instrumental Analysis website and the Equipment News on “大学連携研究設備ネットワーク”.
12. The Instrumental Analysis Center cannot be accessed or used during the summer and winter campus-wide closure periods at the Kofu Campus (“Obon” and New Year holidays), during entrance examinations, or whenever access restrictions are imposed due to university events or other circumstances. Previously, reservation restrictions were applied through “大学連携研究設備ネットワーク”, but starting this fiscal year, that process will no longer be carried out. Therefore, please make sure to check CNS, the academic calendar, and emails sent by the university on your own.

Latest Updates (Japanese only)

<https://clab.yamanashi.ac.jp/>



Handling of Waste

1. Dedicated trash bins (bags) are provided in rooms where disposable gloves and aluminum foil are used. Do not dispose of these items in the combustible waste bins; please make sure to separate them properly.
2. Trash bins for combustible waste used during experiments are provided inside the equipment rooms. Please dispose of other everyday waste in the bins located in break areas (such as lounges) or take it home with you.
3. In the lounge, trash bins are provided for four categories: combustible waste, cans, bottles, and PET bottles. After rinsing the contents of containers at a sink (such as in the restroom), please separate them correctly before disposal.
4. Do not dispose of recyclables (such as copy paper, etc.) in the trash bins. Please take them back to your laboratory.
5. Wastewater and liquid waste generated in equipment rooms or sample preparation rooms must never be disposed of in toilets or sinks.
6. When using the ICP emission spectrometer, prepare an appropriate waste liquid tank and take the waste liquid back to your laboratory.

Energy and Resource Conservation

1. The air conditioning settings in the equipment rooms are displayed near the controller. As a rule, do not change the set temperature. If it is necessary to adjust for experimental reasons, please contact a technical advisor.
2. All water faucets in the Center for Instrumental Analysis are equipped with water-saving devices. When turning them off, please make sure they are completely closed.

For Safety

1. Chemicals cannot be stored in the Center for Instrumental Analysis. Any chemicals or samples you brought in must be taken back with you after the measurements are completed.
2. Some rooms and the office are equipped with absorbent sheets of liquid chemicals. In case of emergency, please use these to prevent the spread of contamination from chemicals.
3. Handling of gas cylinders should only be carried out by individuals who have prior experience in the laboratory.
4. When bringing in a gas cylinder, even temporarily, you must contact the technical advisor in advance and always bring a cylinder stand to secure it properly.
5. When transferring liquid nitrogen, pay attention to ventilation and frostbite risks, and follow the manual strictly. If you hear an alarm from the oxygen concentration sensor, leave the room immediately and report it to the staff of the Center for Instrumental Analysis.

The precautions for using the Center for Instrumental Analysis are also posted on our website. (Japanese only)

<https://clab.yamanashi.ac.jp/guide/>

