

Laboratory Specifications

Floor area

Approx. 70 m² per one room

* Right: interior view



■ Electricity

100V and 200V available

■ Water supply

○ Water supply

At this facility, tap water is supplied by pressure from an elevated water tank, and the water pressure is uniformly 0.8 kg/cm². If it is necessary to increase the water pressure individually for research, it is necessary to take measures such as installing its own pressure pump in each laboratory.

○ Drainage

Since wastewater from experiments and laboratories flows not into septic tanks, but into neutralization tanks that do not have a purification function only by adjusting the PH, organic and inorganic experimental wastewater, as well as their primary and secondary washing water, are treated as industrial waste at each laboratory, and wastewater cannot be wasted.

■ Air conditioning

- The North building is using central-air-conditioning (VAV: variable air volume system) + reheater unit system.

⇒ Since the air volume of cold and hot air can be adjusted, fine adjustment is performed with a reheater (heating only).

- The South building is using central-air-conditioning (CAV: constant air volume system) + fan coil unit system.

⇒ Since it is not possible to adjust the air volume of cold and hot air, fine adjustment is performed with a fan coil (switch between cooling and heating).

■ Load capacity(rooms and corridor)

- Load capacity for the floor of the corridor: Approx. 290 kg/m²

- Load capacity for floors in laboratories: Approx. 390 kg/m²

For equipment weighing 1 ton or more, it is necessary to verify the installation position and installation method before installation.

■ Load capacity (Elevator)

- Elevator No. 1 (west side of the building) : 2.2t

- Elevator No.2 (east side of the building) : 1t

■ Clean room

- Air outlet unit with HEPA

Capture efficiency is more than 99.99% for 0.3 μm particles

[Other reference informations]

- Warm water is possible to use in the laboratory.
- IC card to control access to the laboratory is used.
Available 24 hours a day, 365 days a year.
- Some laboratories are not allowed research activities involving mechanical vibrations, so it is required to consultation with building management organization depending on the content of the research.
- There is a limit to the number of dangerous goods that can be brought in according to the Fire Service Act.