

Future University – Hakodate Guidelines for the Use of Facilities for Biological Experiments

September 15, 2006
The Decision at the Faculty Meeting

Article 1 Purpose

In addition to the items mentioned in “Future University – Hakodate Guidelines for Various Experiments (The Decision at the Faculty Meeting on September 15, 2006), the guidelines mentioned here provide the necessary information on the use of facilities of Future University – Hakodate (hereinafter referred to as “the University”).

Article 2 Requirements for Facilities and Experimental Facilities of the University

Experimental facilities must satisfy the requirements for the operation of experiments and the needs of physiology, ecology, behavior, safety and health of experimental animals.

(1) Requirements for Facilities

- 1) Experimental facilities must have the structure and the strength strong enough for experimental animals not to escape.
- 2) Experimental facilities must bear odor, noise, and pathogen infection; and have the facility necessary for storing wastes.
- 3) The structure of experimental facilities including floors, walls, ceilings, and annexed facilities must be able to be cleaned easily, so that good hygiene can be maintained.
- 4) The breeding rooms for experimental animals must have the facility to cleanse and disinfect the equipments.

(2) Requirement of Safety

- 1) Experimental facilities must have the structure that allows experimenters and breeders to work without exposure to danger.
- 2) Necessary measures must be taken, so that the people unrelated to the animal experiments or the breeding/storage of experimental living subjects do not contact the subjects.
- 3) As for recombinant DNA experiments, animal experiments using radioactive materials or radioactive ray, experiments using poisonous/deleterious substances or psychopharmaceuticals, and animal experiments using pathogens or toxic chemical compounds; the control staff must prepare laboratories that can be locked and is also responsible for locking the laboratories according to the related laws and regulations.
- 4) The signs must be displayed at the rooms or areas where risk factors are used. As for recombinant DNA experiments and animal experiments using ionizing radiation, the signs must be displayed according to the related laws.

- 5) The disposal of dead experimental living subjects or experimental wastes must be done properly according to the related laws.
- 6) If necessary, the equipments/facilities such as safety cabinets, draft chambers, and local exhaust ventilation as well as the manuals of these equipments must be established to prevent accidents at work. (If gaseous sterilization of the breeding system such as vinyl isolators is necessary, gas masks must be equipped at the facility.)
- 7) The facilities in which the experiments using tank of water is conducted must be waterproof.

(3) Experimental Facilities of the University

The laboratory is provided as follows, depending on the kinds of experimental living subjects.

- 1) Experiments using mammals, birds, and reptiles
Laboratories 255 and 355
- 2) Experiments using microorganisms such as bacterial virus
Laboratories 255 and 355
- 3) Experiments using pathogens or recombinant DNA experimental subjects
Laboratories 255 and 355
- 4) Experiments using other living subjects
The sites must satisfy the requirements for environment and safety. As for experiments using plants, the experimenter must follow the “Fire Defense Law”.
- 5) The facilities to keep chemical drugs
Laboratories 255 and 355