

Regulations on Laboratory Animal Resources Management

Established on Mar. 1, 2007

Amended on Sep. 1, 2008

Amended on Jul. 15, 2014

Article 1 (Purpose) These regulations seek to perform animal testing ethically and scientifically at the Pohang University of Science and Technology (hereinafter referred to as “University”) by setting forth matters concerning the management of laboratory animals such as approval on animal testing, loading and unloading animals used for testing, management of breeding and disposal after testing, etc.

Article 2 (Application Scope) ① These regulations shall apply to research, experiment, testing, or education using live vertebrates.

② For matters other than those determined by these regulations, regulations related to the laboratory animals of each research institute, etc., shall apply.

Article 3 (Definitions) The terms concerning persons related to animal testing governed by these regulations shall be defined as follows:

1. “Person performing animal tests” shall refer to the person who conducts scientific research on animals at the laboratory animal facility to obtain new biological knowledge or solve medical, veterinary, dental, pharmaceutical, and biological problems.
2. “Person managing a laboratory animal facility” shall pertain to the person who is substantially responsible for the management of laboratory animals or laboratory animal facility.
3. “Veterinarian specializing in laboratory animals” shall refer to the veterinarian whose major is Laboratory Animal Medicine or Experimental Zoology and who has sufficient knowledge and experience in laboratory animals and animal testing.
4. “Laboratory animal breeding technician” shall pertain to the person in charge of breeding and management of laboratory animals and who holds certification as laboratory animal care specialist.
5. “Laboratory animal facility” shall refer to the facility for performing animal tests and breeding laboratory animals for testing.

Article 4 (Animal Testing Ethics Committee) ① The Animal Testing Ethics Committee (hereinafter referred to as “Committee”) shall be established to review matters concerning the ethical treatment and scientific use of laboratory animals. (Amended on September 1, 2008)

② Chair of the Committee shall be elected by the Committee members and appointed by the President of POSTECH. (Amended on July 15, 2014)

③ The Committee shall have at least 3 but not more than 15 members whose term of office shall be two years; consecutive reappointment shall be permitted. (Amended on September 1, 2008)

④ A person who is not related to the animal testing of POSTECH but falls under any of the following shall constitute more than 1/3 of the Committee members (provided, however, that at least one person each falling under subparagraphs 1 and 2 shall be appointed as the Committee member): (Amended on September 1, 2008)

1. Veterinarian pursuant to the provision of Subparagraph 1, Article 2 of the “Veterinarians Act”
2. Person who is very learned and experienced in animal protection and is recommended by a private organization determined by the Presidential Decree; meets the qualification requirement determined by the Ordinance of the Ministry of Agriculture, Food and Rural Affairs
3. Lawyer or professor in Department of Law

4. Professor in charge of animal protection and welfare

⑤ The Committee shall review the following matters:

1. Matters on using laboratory animals in research, experiment, testing, or education
2. Matters on due diligence and evaluation of adequateness and safety of animal breeding facility and management of breeding of laboratory animals

⑥ The Committee shall appoint the director of Research Planning team as a secretary of the Committee. (Amended on September 1, 2008 and July 15, 2014)

⑦ For matters other than those determined in these regulations, the regulations on the Committee operation of POSTECH shall apply *mutatis mutandis*. (Amended on September 1, 2008)

Article 5 (Management Department of Laboratory animals) ① To support the operation of the Committee and to provide administrative support for each laboratory animal facility, POSTECH biotech center shall be designated as the management department. (Amended on September 1, 2008)

② Matters related to the operation of the management department shall be determined separately.

Article 6 (Approval on Animal Testing) ① The person performing animal tests shall submit an application for approval on animal testing to the managing department.

② The managing department shall refer the application for approval on animal testing as described in Clause 1 to the Committee for review and decision and notify the person performing animal tests of the result.

③ In case animal testing is approved by the Committee pursuant to the provision of Clause 2, the managing department shall assign an approval number for the testing.

④ The document related to the approval on animal testing shall be retained by the department where the secretary belongs, and the document related to the animal testing to which an approval number was assigned shall be retained for three years after the completion of the relative research.

⑤ The Committee shall decide whether to approve an animal testing by considering the following matters:

1. Whether the welfare of the animal is considered
2. Method of minimizing the pain and anxiety of the animal or appropriateness of an alternative method
3. Reason for using the animal and appropriateness of the species and number of the relative animals
4. Appropriateness of the euthanasia method
5. Whether or not the testing involves any unnecessary work or work that may cause a deterioration in the condition of the animal
6. Whether or not medical operation is performed under aseptic conditions and veterinary techniques for management are utilized before and after operation
7. Whether or not experimental facilities appropriate for animals and safe for researchers are provided
8. Other matters related to ethics and scientific basis of the animal testing

Article 7 (Supply, Etc., of Laboratory animals) ① To supply laboratory animals and carry them into the laboratory animal facility, the person performing animal tests shall submit to the management department an application for loading and unloading laboratory animals.

② The indicated supplier of laboratory animals and date of supply as recorded by the person performing animal tests in the application for loading and unloading laboratory animals shall preferably be followed.

- ③ The person performing animal tests shall carry the animals only into the laboratory animal facility installed within POSTECH. In case the animals need to be carried into another separate facility, however, approval shall be obtained from the Committee.
- ④ The person performing animal tests as well as the laboratory animal breeding technician shall perform quarantine inspection on the animals carried in, determine whether or not the animals can be utilized, and provide initial reports verbally to the managing department regarding the result. A written report shall be prepared upon completion of the animal testing in question.
- ⑤ Once the laboratory animals are carried in, they shall be transported as determined by the Committee.
- ⑥ The person performing animal tests and the person managing the laboratory animal facility shall adjust the ventilation, lighting, noise, temperature and humidity, etc., select feed, drinking water, mat, etc., and maintain the facility such that appropriate animal testing is ensured while considering the physiological properties of the animals carried in.

Article 8 (Use of Laboratory animals) ① The person performing animal tests and the laboratory animal breeding technician shall record the growth and development condition, body condition, transfer and disease, etc., of the animals and obtain guidance and assistance from a veterinarian specializing in laboratory animals if and when professional knowledge and technology are required.

- ② In case animal testing is to be performed differently from the application for approval on animal testing, the person performing animal tests shall obtain approval from the Committee.
- ③ In case animal testing is performed differently from the condition of approval on the testing, the laboratory animal breeding technician shall check the details and report such to the managing department.
- ④ In case that laboratory animals are moved from one place to another, the laboratory animal breeding technician shall report the details related to such movement to the managing department verbally first, and then prepare a written report upon completion of the relative animal testing.

Article 9 (Completion of Animal Testing, Etc.) ① When completing or suspending animal testing, the person performing animal tests shall render the animal unconscious within as short a period of time as possible using the appropriate method proposed by the Committee and administer euthanasia so that the animal will promptly be relieved of pain.

- ② The person performing animal tests shall report to the managing department matters related to the body of the animal during testing or resulting from the suspension or completion of testing, keep or inspect the body under the procedure and method determined by the Committee, and transport the body out of the laboratory.
- ③ The body of the laboratory animal shall be kept as determined by the head of each laboratory animal facility and disposed of in accordance with the disposal standard for infectious wastes as per the Wastes Control Act.
- ④ Once animal testing is completed, the person performing animal tests or the person managing the laboratory animal facility shall report all records related to loading and unloading laboratory animals to the managing department; the person performing animal tests shall submit a report of a completion of animal testing to the managing department.

Article 10 (Testing Requiring Special Safety Management) ① In case of animal testing using physically, chemically, and biologically hazardous substance, such as radioactive isotopes, pathogenic organism, recombinant DNA, carcinogen, mutagenic substances, and other substances with unidentified safety issues, the person performing animal tests shall obtain a separate approval from the Committee, and the animal testing shall be performed as determined by the Committee. In

case that animal testing wherein a special safety management is required is to be performed, a separate management and guidance such as the completion of an educational course by the person responsible for safety management shall be required.

② To prevent human and animal contamination and other dangerous situations and injury, the person performing animal tests shall take the necessary actions such as restricting the access of people who are not specifically related to the breeding facility and testing zone.

③ To ensure the safety of the laboratory animal while performing animal testing using DNA-introduced animals, a special measure shall be established by familiarizing oneself with the habits of the animals to ensure that no animals flee from the laboratory animal facility and the breeding facility.

Article 11 (Amount to be Charged) Expenses, etc. incurred in performing animal testing may be charged to the person performing animal tests.

Article 12 (Detailed Rules on the Operation) Matters other than those specifically determined by these regulations but deemed necessary for operations shall be determined by the chair following a review by the Committee.

Addendum

These regulations shall be established and take effect on March 1, 2007.

Addendum

These amended regulations shall take effect on September 1, 2008.

Addendum

These amended regulations shall take effect on July 15, 2014.