

Guiding Principles for the Care and Use of Laboratory Animals

Approved by The Japanese Pharmacological Society

(scheduled to be revised during 2007)

- 1. Objective** - When animal experiments are designed and conducted by the members of The Japanese Pharmacological Society and other investigators presenting their results in the Journal of Pharmacological Sciences, The Japanese Pharmacological Society recommends compliance with the "Guiding Principles for the Care and Use of Laboratory Animals" (hereafter called "these guidelines") approved by The Japanese Pharmacological Society as well as the guidelines outlined in the following documents: "Planning with Respect to the Guidelines for the Care and Use of Animals", recommendation of the President of the Science Council of Japan, No. 1513, 1980; and "Animal Experiments in Universities, etc.", notification of the Director-General of the Science and International Affairs Bureau of the Japanese Ministry of Education, Culture, Sports, Science and Technology, No. 141, 1987. It is The Japanese Pharmacological Society's intention that all animal care and use should be appropriately conducted on a valid and ethical scientific basis.
- 2. Scope of application** - These guidelines apply to all animal experiments designed and performed by the members of The Japanese Pharmacological Society and other investigators publishing in this Journal.
- 3. Facilities for animal experiments** - Animal experiments should be conducted in well-controlled and administered institutions that are furnished with the necessary equipment.
- 4. Handling of laboratory animals** - When handling animals, the investigators must have sufficient knowledge concerning maintenance methods and the animals' physiology, ecology, behavior, and breeding.
- 5. Planning animal experiments** - When the investigators design a plan for animal research, the minimum number of experiments to achieve the purpose of the research should be considered. Sufficient consideration should also be given to the valid selection of animal models and experimental procedures. Moreover, laboratory animals must be treated with appropriate consideration in terms of their environment (cage size, number of animals per cage, temperature, humidity, lighting, etc.).
- 6. Attention to animals in experiments** - From the standpoint of animal welfare, sufficient effort should be made to minimize the anxiety and pain of laboratory animals during experiments.
- 7. Care of animals after experiments** - After an experiment is completed, the animals should be released from pain immediately. Procedures should be carried out in strict accordance with the notification issued from the Prime Minister's Office, No. 6, 1980: "Standards

Relating to the Care and Management, etc. of Experimental Animals".

- 8. Special attention to hazardous substances** - Animal experiments using physically and chemically hazardous substances or pathogens should be carried out in strict accordance with appropriate caution, related regulations, etc. Special attention should be given to the maintenance of safety and to the prevention of environmental pollution. In this matter, investigators must work together with the administrative officers of their institutions.
- 9. Others** - Other research procedures should be carried out not only in strict accordance with the guidelines of the investigator's own institution, but also following the guidelines issued by the Science and International Affairs Bureau of the Japanese Ministry of Education, Culture, Sports, Science and Technology, No. 141, 1987: "Animal Experiments in Universities, etc."