



Canadian Council on Animal Care Conseil canadien de protection des animaux

ADDITIONAL INFORMATION RELATED TO THE CCAC GUIDELINES ON: THE CARE AND USE OF FISH IN RESEARCH, TEACHING AND TESTING

Additional information is provided below to support the implementation of the *CCAC guidelines on: the care and use of fish in research, teaching and testing (2005)*. The guidelines themselves contain recommendations which can, in general, be applied to all species of fish. The supplementary documents are intended to provide information on best practices to assist investigators and animal care committees to improve the housing and husbandry of the animals in their care, as well as the experimental procedures carried out on those animals.

[*Anesthetics*](#) was prepared by Paige Ackerman, John Morgan and George Iwama to provide detailed information on the use of anesthetics in fish.

Information on the characteristics of the major anesthetics used on fishes, essential parameters for their application, including optimum and lethal doses, as well as induction and recovery times is provided in *Anesthetics*. Possible physiological effects and cautionary notes are also given.

Investigators should also be aware that currently only tricaine methane sulphonate (TMS, also known as MS-222) and metomidate are registered for veterinary use with fish in Canada. Investigators are individually responsible for the use of anesthetic agents not approved for veterinary use in Canada.

[**A list of guidelines and other resources on the care and use of fish in research is maintained by the Norwegian School of Veterinary Science.**](#)