

Clemson University Institutional Animal Care and Use Committee (IACUC)

Policy Number: 4.1

Policy Title: The Use of Zebrafish

Section 1: Purpose

The following policy provides guidance on the use of zebrafish in research, teaching, testing, and demonstration.

Section 2: Scope

This policy applies to all zebrafish use by Clemson personnel. Zebrafish are defined as members of the genus *Danio* and related species.

Section 3: Policy

Zebrafish Stages

Time Post Fertilization	Developmental Stage	AUP Requirement
≤72 hours post fertilization	Embryo	No
3-29 days post fertilization	Larvae	Yes
30-89 days post fertilization	Juvenile	Yes
≥90 days post fertilization	Adult	Yes

Common to all Zebrafish Activities

Zebrafish of all ages, including embryos, must be euthanized in accordance with the AVMA Guidelines for the Euthanasia of Animals.

Zebrafish Activities Exempt from IACUC Review

Activities involving zebrafish that are euthanized during the embryonic stage (≤72 hours post fertilization) do not require IACUC review and approval.

Zebrafish Activities Requiring IACUC Review

Activities involving zebrafish that are manipulated during the embryonic stage and allowed to survive past 72 hours must be described in an IACUC approved Animal Use Protocol (AUP) prior to initiation.

Activities involving zebrafish that are developed to the larval stage or after (72 hours or more post fertilization), must be described in an IACUC approved AUP prior to initiation.