

Brock University

Animal-Based Science Statistics

2021 Review

In June 2021 Brock University returned to a gradual reopening following public health guidelines and the Brock five stage recovery plan. This resulted in a return to short term research projects 12 weeks or less.

Following this announcement Animal Care Services returned to a regular work schedule and assisted in the ramp up of research projects under the guidance of the Brock Animal Care Committee and veterinarians.

A total of 2479 animals were utilized in 58 active research and teaching protocols. All protocols have been reviewed and approved by the Brock University Animal Care Committee (ACC). The ACC is mandated to safeguard the welfare of animals involved in research and teaching and reports to the Vice-President, Research. The committee is also responsible for ensuring that all animal researchers follow the mandatory guidelines set forth by the Canadian Council on Animal Care (CCAC), a national body responsible for setting, maintaining and overseeing the implementation of high standards for animal ethics and care in science throughout Canada and adhere to regulations enforced by the Ontario Ministry of Agriculture and Rural Affairs (OMAFRA).

The ACC is composed of representative faculty members, health and safety personnel, community representatives, animal care staff, veterinarians, graduate and undergraduate students. ACC members are committed to ensuring that Brock's animal researchers conform to all pertinent regulatory guidelines and verify that all personnel working with animals are appropriately trained and qualified to care for the animals under their supervision.

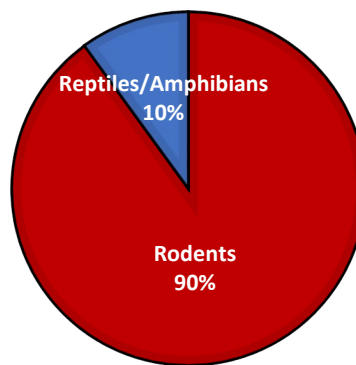
In order for research projects to receive funding from granting agencies, such as the Tri-Agencies Canada (NSERC/CIHR/SSHRC) they are reviewed in a competitive environment by a panel of experts to determine the scientific merit of the proposed project and its methodology. Protocols go through revisions and refinements to meet the satisfaction and approval of the ACC. Each approved protocol is subject to an annual review by the ACC as well as routine reviews through the post approval monitoring program. There are multiple levels of monitoring and all research must comply and adhere to regulations enforced by the CCAC and OMAFRA. All procedures and facilities at Brock involving animal-based science are rigorously reviewed, inspected and regulated at federal, provincial and institutional levels by these qualified specialists.

2021 DATA

Animal Type	Number Used	Percent %
Rodents	2220	90
Reptiles/Amphibians	259	10
Total	2479	100

ANIMALS USED IN RESEARCH 2020

■ Rodents ■ Reptiles/Amphibians



Animals Involved in Research:

The Canadian Council on Animal Care (CCAC) assigns animal research into five Categories of Invasiveness (A to E).

https://www.ccac.ca/Documents/Standards/Policies/Categories_of_invasiveness.pdf

Category A includes most experiments involving tissue cultures, eggs and single-cell organisms, and does not require annual reporting.

Category B and C, include invasiveness ranged from little discomfort and stress, to minor stress and pain. This could include observation in the wild, brief periods of restraint, taking blood samples and/or minor surgical procedures under anesthesia.

Category D Invasiveness, which involves major surgical procedures under general anesthesia with use of appropriate analgesia.

Category of Invasiveness	Number of protocols	Percentage
A	2	3.5
B	25	43
C	29	50
D	2	3.5
Total	58	100%

