



University Animal Care Committee Standard Operating Procedure		
Document No: 7.24	Subject: Mice Breeding and Weaning	
Date Issued: Feb 1, 2022	Revision: Original	Page No: 1

Location: Queen's University

Responsibility: Principal Investigators, Research Staff, Veterinary Staff

Purpose: The purpose of this Standard Operating Procedure (SOP) is to describe

Abbreviations: Animal Care Services **ACS**, Principal Investigator **PI**, subcutaneous **SC**, intravenous **IV**, intraperitoneal **IP**, intramuscular **IM**, per os **PO**, per rectum **PR**, animal use protocol **AUP**

- 1. Introduction and Definitions:** In the laboratory, the traditional breeding age of mice begins at 3-4 months and ends at 7-12 months of age. Male mice are capable of impregnating females as early as 5 weeks of age, although they normally reach sexual maturity at 6 weeks. There are two breeding schemes: polygamous -placing a single male with multiple females, and monogamous - a single male with a single female. Additionally, 70261270980792 re002009120100-Title (Abb)5(1)4(e)4(via breeding, mates are placed together for a predetermined period of time (usually several days). Mating is usually nocturnal, the female mice are checked daily for a copulatory plug, which indicates breeding has occurred. Alternatively,

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References: <https://www.purdue.edu/research/regulatory-affairs/animal-research/docs/Mouse%20Breeding%20Colony%20Management%20Document.pdf>
[608 -mouse breeding colony management - dec 2018.pdf \(mcgill.ca\)](https://www.mcgill.ca/animalcare/files/2018/12/608-mouse-breeding-colony-management-dec-2018.pdf)

Revised:
