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TBI-ADRD Mouse Husbandry

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TBI ADRD UCR/IU



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Protocol status: Working

We use this protocol and it's working

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Disclaimer

The authors have nothing to disclose

Abstract

This document describes the housing conditions and husbandry protocol for TBI-ADRD mice. These conditions are standardized to promote reproducibility and are associated with conditions used in the following protocol: "TBI ADRD Closed Head Injury (CHI) Standard Operating Procedure". dx.doi.org/10.17504/protocols.io.14egnrqw6l5d/v1

Attachments



[appendix 1.pdf](#)

51KB

Guidelines

Photoperiod:

- 12 hours light, 12 hours dark
- Light cycle is either between 6 am and 6 pm or 7 am and 7 pm



Materials

- Irradiated Andersons Enrich-o'Cobs – Product Code 4EB (1/4" cob + paper rolls) (URL: https://assets.andersonsplantnutrient.com/pdf/The-Andersons_Enrich-oCobBrochure_web.pdf)
- Bio-Huts from Bio-Serv #K3352 (URL: https://www.bio-serv.com/product/Bio_Huts.html)
- SAFE Blocks Small (mouse, Aspen wood) Safe-Lab (URL: https://safe-lab.com/safe_en/products/enrichment.php)
- Diet 5K52 - LabDiet® JL Rat and Mouse/Auto 6F (URL: <https://www.labdiet.com/product/detail/5k52-labdiet-jl-rat-and-mouse-auto-6f>)
- Water: Reverse Osmosis processed, pH 6.8-7

Scope

- 1 The scope of this SOP includes:
Husbandry protocol (Housing, Social Needs, Enrichment, Diet, Water)

Responsibilities

- 2
 - SOP Author: responsible for production of the SOP and its described procedures
 - SOP Owner: responsible for reviewing and approving changes to the SOP
 - Lab staff and students: responsible for following the procedure
 - NO CHANGES to this SOP are authorized without the explicit approval from the SOP owner

Housing conditions

- 3 Mice are group housed, up to 5 per cage, in ventilated shoebox cages with 75 in² floor area and 5.5" height. Cage change is weekly where new food, nesting, and enrichment materials are provided.

Temperature:
 - 22.2 ± 8°CRelative humidity:
 - 20-80%Bedding and Nesting:
 - Irradiated Andersons Enrich-o'Cobs – Product Code 4EB (1/4" cob + paper rolls) (URL: https://assets.andersonsplantnutrient.com/pdf/The-Andersons_Enrich-oCobBrochure_web.pdf)Enrichment:
 - Bio-Huts from Bio-Serv #K3352 (URL: https://www.bio-serv.com/product/Bio_Huts.html)
 - SAFE Blocks Small (mouse, Aspen wood) Safe-Lab (URL: https://safe-lab.com/safe_en/products/enrichment.php)Photoperiod:
 - 12 hours light, 12 hours dark
 - Light cycle is either between 6 am and 6 pm or 7 am and 7 pm

Diet/Water

- 4
 - Diet 5K52 - LabDiet® JL Rat and Mouse/Auto 6F (URL: <https://www.labdiet.com/product/detail/5k52-labdiet-jl-rat-and-mouse-auto-6f>)
 - Water: Reverse Osmosis processed, pH 6.8-7



Appendices

5 Appendix 1: SOP Record Log