

# **NEUROPHENOTYPING CENTRE ANIMAL FACILITY**

## **1. PURPOSE**

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The purpose of this SOP is to standardize the import procedure of rodents from external, non-approved sources (defined below) to the Neurophenotyping center animal facility. It details the procedures to be taken when a Principal Investigator (PI) or their designate requests rodents to be imported from non-commercial or non-approved sources to the Neurophenotyping Centre animal facility.

The objectives are (1) to minimize the risk of disease transmission from external sources to existing rodent colonies within the Neurophenotyping center, and (2) to insure the safe and humane transport between facilities.

Non-approved sources are all rodent suppliers other than Charles River Laboratories, National Cancer Institute, Harlan, Taconic, and the production division of Jackson Labs.

## **2. RESPONSIBLE PERSONNEL**

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- 2.1. Principal investigator (PI), sending institution
- 2.2. Veterinarian, sending institution
- 2.3. Neurophenotyping Director and Neurophenotyping coordinator
- 2.4. Veterinarian, McGill University
- 2.5. Animal facility supervisor, Douglas Institute

## **3. MATERIALS**

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- 3.1. Rodent Import form
- 3.2. Mouse or Rat Health Information form
- 3.3 A complete recent health report from sending institution (**less than one month**)

List of required tests:

### **MOUSE SEROLOGY**

- Mouse hepatitis virus (MHV)
- Minute virus of mice (MVM)
- Mouse parvovirus (MPV)
- NS-1
- Mouse norovirus (MNV)
- Sendai virus
- Mycoplasma pulmonis (Mpul)
- Theiler's murine encephalomyelitis virus (TMEV or GD-VII)
- Epizootic diarrhea of infant mice (EDIM)
- Pneumonia virus of mice (PVM)
- Reovirus (REO-3)
- Lymphocytic choriomeningitis virus (LCMV)
- Ectromelia virus (ECTRO)
- Mouse adenovirus (MAD 1&2)
- Polyoma
- Encephalitozoon cuniculi

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- Cilia-associated respiratory bacillus (CARB)
- Tyzzer's
- Mouse cytomegalovirus (MCMV)

### RAT SEROLOGY

- Sialodacryoadenitis virus (RCV/SDA)
- Sendai virus
- Pneumonia virus of mice (PVM)
- NS-1
- Rat parvovirus (RPV)
- Rat minute virus (RMV)
- Kilham rat virus (KRV)
- Toolan's virus (H-1)
- Mycoplasma pulmonis (Mpul)
- Theiler's murine encephalomyelitis virus (TMEV or GD-VII)
- Reovirus (REO-3)
- Lymphocytic choriomeningitis virus (LCMV)
- Mouse adenovirus (MAD1)
- Cilia-associated respiratory bacillus (CARB)
- Hantaan virus
- Tyzzer's

### PARASITOLOGY (MOUSE/RAT)

- Syphacia muris
- Syphacia obvelata
- Aspiculuris tetraptera
- Giardia muris
- Tritrichomonas muris
- Myobia musculus
- Radfordia affinis
- Demodex spp.
- Spironucleus muris

## **4. PROCEDURES**

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- 4.1. The PI or their designate must submit the following documents to the **Neurophenotyping Centre animal facility supervisor/coordinator: eve-marie.charbonneau@douglas.mcgill.ca**
  - Completed Rodent Import form
  - Recent (less than one month) health report from the sending institution
  - Mouse or Rat Health Information form authorized by the sending institution's veterinarian
- 4.2. The receiving facility's veterinarian or their designate reviews the file and determines whether or not to accept the request for transfer.

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## **RODENT EXTERNAL IMPORT PROCEDURES FOR BEHAVIORAL PLATFORM AND IMAGING CENTRE**

- 4.3. If approved, authorization is sent via e-mail to the PI (or designate) and includes the following information:
- Shipping address
  - Preferred shipping date
  - Any additional instructions given by the veterinarian or designate.
- 4.4. All animals arriving at the Neurophenotyping Centre animal facility and/or Imaging Centre without prior approval by a veterinarian or their designate will not be accepted.
- 4.5. All animals arriving at the Neurophenotyping Centre for the behavioral platform or for Imaging Centre who will need to be housed for a determinate period will be maintained in quarantine. In addition they will be tested for Parvovirus, Pinworm and mites (via PCR method).