

Bioprotection Plan: Mouse and Rat

Prior to arrival:

Animals must be received from an approved vendor with appropriate testing performed.

If not from an approved vendor, one year of health records and an animal importation form must be received and reviewed by a LAP veterinarian. Additional testing and/or parasite treatment may be required prior to approval to ship. Upon arrival, these animals require quarantine.

Upon arrival:

Animals arriving from an approved vendor may be placed directly into the animal room. Shipping containers should be sprayed with disinfect prior to opening, and animal care staff should note the general health and appearance of the animals. If any animals are found with health issues, an AHEF should be sent to the investigator and LAP veterinary staff.

Animals arriving from a non-approved vendor are to be shipped directly to the quarantine facility. Shipping containers should be sprayed with disinfect prior to opening, and animal care staff should note the general health and appearance of the animals. If any animals are found with health issues, an AHEF should be sent to the investigator and LAP veterinary staff. Animals should be placed on ivermectin diet, or both fenbendazole diet with Mite Arrest in the cage as per the Mouse Quarantine Health Monitoring SOP. Sentinel animals will be tested after 6 weeks of exposure to dirty bedding, or colony animals will be tested after 2 weeks of arrival. Results must be approved by the LAP veterinarian prior to release into the main colony.

Quarantine mice will be tested for the following agents:

MHV, MVM, MPV, MNV, TMEV, EDIM, Sendai, *M. pulmonis*, PVM, REO3, LCMV, Ectro, MAV1, MAV2, Polyoma, *E. cuniculi*, CARB, *C. piliforme*, MCMV, K Virus, Hantaan, LDV, MTV, Pinworms, Fur mites

Quarantine rats will be tested for the following agents:

M. pulmonis, *Helicobacter* spp, RCV/SDAV, RPV, KRV, H-1, RMV, RTV, Pinworms, Fur Mites, Sendai, PVM, LCMV, Hantaan, REO3, CARB, *Pneumocystis* spp.

Preventative Maintenance Plan:

Daily: Observations

Monthly: Assess morbidity and mortality by room

Trimester: Mice and rats may be tested on a trimester basis for adventitious agents according to the Rodent Health Monitoring SOP.

Trimester 1 Mouse agents: *M. pulmonis*, *Helicobacter* spp, MHV, MVM, MPV 1-5, MNV, TMEV, EDIM, MAV 1, MAV 2, REO3, PVM, Sendai, Ectro, Hantaan, LCMV, Pinworms, Fur mites, Poly, MKPV (108B only)

Trimester 2-3 Mouse agents: MHV, MVM, MPV, MNV, TMEV, EDIM, Pinworms, Fur mites



Trimester 1 Rat agents: *M. pulmonis*, *Helicobacter* spp, RCV/SDAV, RPV, KRV, H-1, RMV, RTV, Pinworms, Fur Mites, Sendai, PVM, LCMV, Hantaan, REO3, CARB, *Pneumocystis* spp.

Trimester 2-3 Rat agents: *Helicobacter*, RCV/SDA, RPV, KRV, H-1, RMV, RTV, Pinworms, Fur mites

Purdue Mouse Excluded Agents

Mycoplasma pulmonis

MHV

MMV/MVM

MPV

MNV*

TMEV/GDVII

EDIM/Mouse Rotavirus

Mouse Adenovirus 1&2

Reovirus 1,2,3

PVM

Sendai virus

Ectromelia

Hantaan virus

Pinworms

Fur Mites

Polyoma virus

LCMV

*Excluded from most facilities

Note: *Helicobacter* spp is tested for annually but not excluded

Purdue Rat Excluded Agents

Mycoplasma pulmonis

RCV/SDAV

Rat Parvovirus

Kilham Rat virus

Toolan's H-1 virus

Rat Minute virus

TMEV/GDVII

Pinworms

Fur Mites

Sendai virus

PVM

LCMV

Hantaan virus

Reovirus 1,2,3

CAR Bacillus

Pneumocystis spp

Note: *Helicobacter* spp is tested for annually but not excluded