

1. PURPOSE

This Standard Operating Procedure (SOP) describes pathogens to be monitored for possible exclusion from rodent facilities.

2. RESPONSIBILITY

Veterinary care staff, facility supervisors, facility manager, principal investigator (PI).

3. PROCEDURES

- 3.1. If a pathogen on the below monitored and excluded lists is found in a rodent facility, take the following actions:
- 3.1.1. Immediately isolate the rodents into a designated quarantine facility as directed by a veterinarian.
 - 3.1.2. Establish with PI, whenever possible, an eradication strategy (depopulation, derivation, etc.).
- 3.2. If a pathogen on the monitored lists below is found, the action to be taken will be decided on a case-by-case basis by the veterinarian, the PI and facility supervisor/manager.
- 3.3. Excluded pathogens for mice:
- pathogens monitored and excluded
 - pathogens monitored

	LEVEL 1 & 2	LEVEL 3	LEVEL 4
VIRUSES			
Ectromelia		●	●
EDIM	●	●	●
LCMV		●	●
MCMV		●	●
MHV	●	●	●
Mouse Adenovirus (1 & 2)		●	●
MNV	○	○	○
Parvoviruses (MPV1, MPV2, MPV3, MVM, NS-1)	●	●	●
Polyoma		●	●
PVM		●	●
Reovirus-3		●	●
Sendai		●	●
TMEV (GDVII)	●	●	●

Excluded pathogens for mice (continued):

- pathogens monitored and excluded
- pathogens monitored

	LEVEL 1 & 2	LEVEL 3	LEVEL 4
BACTERIA/FUNGI			
<i>Bordetella bronchiseptica</i>		○	○
CARB		●	●
<i>Citrobacter rodentium</i>		●	●
<i>Clostridium piliforme</i> (Tyzzer's)		●	●
<i>Corynebacterium kutscheri</i>		●	●
<i>Helicobacter</i>			●
<i>Klebsiella spp.</i>		○	○
<i>Mycoplasma pulmonis</i>	●	●	●
<i>Pasteurella pneumotropica</i>		○	○
<i>Pneumocystis carinii</i> (immunodeficient mice)		○	●
<i>Pseudomonas aeruginosa</i>		○	○
<i>Salmonella</i>		●	●
<i>Streptobacillus moniliformis</i>		●	●
<i>Streptococcus pneumonia</i>		○	○
<i>Streptococcus spp.</i> (A,B,C)		○	○
PARASITES			
<i>Encephalitozoon cuniculi</i>		●	●
Ectoparasites	●	●	●
Endoparasites (excluding protozoans which are considered to be natural, commensal flora)	●	●	●

3.4. Excluded pathogens for rats:

- pathogens monitored and excluded
- pathogens monitored

	LEVEL 1 & 2	LEVEL 3
VIRUSES		
H-1	●	●
Hantaan		●
KRV	●	●
LCMV		●
MAD1		●
NS1	●	●
PVM		●
RCV	●	●
Reovirus 3		●
RMV	●	●
RPV	●	●
RTV	●	●
Sendai virus		●

Excluded pathogens for rats (continued):

- pathogens monitored and excluded
- pathogens monitored

	LEVEL 1 & 2	LEVEL 3
BACTERIA/FUNGI		
<i>Bordetella bronchiseptica</i>		○
CARB		●
<i>Citrobacter spp.</i>		●
<i>Clostridium piliforme</i> (Tyzzer's)		●
<i>Corynebacterium kutscheri</i>		●
<i>Klebsiella spp.</i>		○
<i>Mycoplasma pulmonis</i>		●
<i>Pasteurella pneumotropica</i>		○
<i>Pseudomonas aeruginosa</i>		○
<i>Salmonella</i>		●
<i>Streptobacillus moniliformis</i>		●
<i>Streptococcus pneumonia</i>		○
<i>Streptococcus spp.</i> (A,B,C)		○
PARASITES		
Ectoparasites	●	●
Endoparasites (excluding protozoans which are considered to be natural, commensal flora)	●	●

3.5. Excluded pathogens for hamsters:

- pathogens monitored and excluded
- pathogens monitored

	LEVEL 1 & 2
VIRUSES	
LCMV	●
PVM	●
Reovirus 3	●
Sendai	●
SV5	●
BACTERIA/FUNGI	
<i>Clostridium piliforme</i> (Tyzzer's)	●
PARASITES	
<i>Encephalitozoon cuniculi</i>	●
Ectoparasites	●
Endoparasites (excluding protozoans which are considered to be natural, commensal flora)	●

3.6. Excluded pathogens for guinea pigs:

- pathogens monitored and excluded
- pathogens monitored

	LEVEL 1 & 2
VIRUSES	
LCM	●
PI3	○
PVM	●
Sendai	●
SV5	●
BACTERIA/FUNGI	
<i>Clostridium piliforme</i> (Tyzzer's)	●
PARASITES	
<i>Encephalitozoon cuniculi</i>	●
Ectoparasites	●
Endoparasites (excluding protozoans which are considered to be natural, commensal flora)	●