

**National Health Research Institutes  
Laboratory Animal Center  
Health Monitoring Report in 2021**

Location(Room#): **Rodent area  
(R2-B1114~R2-B1153, R2-B1231~R2-B1232)**

Date of Issue: **Nov. 3, 2021**

Species: **Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I \ Serology:</b>					
Minute virus of mice (MVM)	3 months	ELISA	Oct. 2021	0/54	0/326
Mouse hepatitis virus (MHV)	3 months	ELISA	Oct. 2021	0/54	0/326
Mouse norovirus (MNV)	3 months	ELISA	Oct. 2021	11/54	57/326
Mouse parvovirus (MPV)	3 months	ELISA	Oct. 2021	0/54	0/326
Mouse rotavirus (EDIM)	3 months	ELISA	Oct. 2021	0/54	0/326
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Oct. 2021	0/54	0/326
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Oct. 2021	0/54	0/326
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	May 2021	0/58	0/167
Mouse adenovirus (MAAd1, MAAd2)	6 months	ELISA	May 2021	0/58	0/167
Ectromelia virus (Pox virus)	Annually	ELISA	May 2021	0/58	0/113
Hantavirus	Annually	ELISA	May 2021	0/58	0/113
Mouse polyomavirus	Annually	ELISA	May 2021	0/58	0/113
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2021	0/58	0/113
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2021	0/58	0/113
Sendai virus	Annually	ELISA	May 2021	0/58	0/113
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	10/58	46/167
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/58	0/167
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/58	0/167
<i>Salmonella</i> spp.	6 months	Culture	May 2022	0/58	0/167
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/58	0/167
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/58	0/167
<b>III \ Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Oct. 2021	0/54	0/326
<i>Chilomastix</i> spp.	3 months	Visual	Oct. 2021	0/54	0/326
Ectoparasites	3 months	Visual	Oct. 2021	0/54	0/326
<i>Entamoeba</i> spp.	3 months	Visual	Oct. 2021	19/54	88/326
<i>Giardia</i> spp.	3 months	Visual	Oct. 2021	0/54	0/326
<i>Hexamastix</i> spp.	3 months	Visual	Oct. 2021	0/54	0/326
<i>Hymenolepis diminuta</i>	3 months	Visual	Oct. 2021	0/54	0/326
<i>Rodentolepis nana</i>	3 months	Visual	Oct. 2021	0/54	0/326
<i>Spiroucleus</i> spp.	3 months	Visual	Oct. 2021	0/54	0/326
<i>Syphacia</i> spp.	3 months	Visual	Oct. 2021	0/54	0/326
Trichomonads	3 months	Visual	Oct. 2021	0/54	0/326

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes  
Laboratory Animal Center  
Health Monitoring Report in 2021**

Location(Room#): **Rodent area (R2-B1154)**

Date of Issue: **Nov. 3, 2021**

Species: **Rat**

Housing: **Filter top cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I \ Serology:</b>					
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Oct. 2021	0/1	0/6
Rat parvovirus	3 months	ELISA	Oct. 2021	0/1	0/6
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Oct. 2021	0/1	0/6
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Oct. 2021	0/1	0/6
Kilham's rat virus (KRV)	6 months	ELISA	May 2021	0/1	0/3
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	May 2021	0/1	0/3
Hantavirus	Annually	ELISA	May 2021	0/1	0/2
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2021	0/1	0/2
Sendai virus	Annually	ELISA	May 2021	0/1	0/2
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	0/1	0/3
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/1	0/3
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	May 2021	0/1	0/3
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/1	1/3
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/1	0/3
<b>III \ Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Oct. 2021	0/1	0/6
<i>Chilomastix</i> spp.	3 months	Visual	Oct. 2021	0/1	0/6
Ectoparasites	3 months	Visual	Oct. 2021	0/1	0/6
<i>Entamoeba</i> spp.	3 months	Visual	Oct. 2021	1/1	6/6
<i>Giardia</i> spp.	3 months	Visual	Oct. 2021	0/1	0/6
<i>Hexamastix</i> spp.	3 months	Visual	Oct. 2021	0/1	0/6
<i>Hymenolepis diminuta</i>	3 months	Visual	Oct. 2021	0/1	0/6
<i>Rodentolepis nana</i>	3 months	Visual	Oct. 2021	0/1	0/6
<i>Spironucleus</i> spp.	3 months	Visual	Oct. 2021	0/1	0/6
<i>Syphacia</i> spp.	3 months	Visual	Oct. 2021	0/1	0/6
Trichomonads	3 months	Visual	Oct. 2021	0/1	0/6

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes  
Laboratory Animal Center  
Health Monitoring Report in 2021**

Location(Room#): **Rodent area  
(R2-B1125, R2-B1127, R2-B1131)**

Date of Issue: **Nov. 3, 2021**

Species: **Immunodeficient Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I \ Microbiology:</b>					
<i>Bordetella bronchiseptica</i>	6 months	Culture	May 2021	0/5	0/16
<i>Clostridium piliforme</i>	6 months	PCR	May 2021	0/5	0/16
<i>Corynebacterium kutscheri</i>	6 months	Culture	May 2021	0/5	0/16
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	0/5	0/16
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/5	0/16
<i>Mycoplasma</i> spp.	6 months	PCR	May 2021	0/5	0/16
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/5	0/16
<i>Pneumocystis murina</i>	6 months	PCR	May 2021	0/5	0/16
<i>Pseudomonas aeruginosa</i>	6 months	Culture	May 2021	0/5	0/16
<i>Salmonella</i> spp.	6 months	Culture	May 2021	0/5	0/16
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/5	2/16
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/5	0/16
<b>II \ Parasites:</b>					
<i>Aspicularis tetraptera</i>	6 months	Visual	May 2021	0/5	0/16
<i>Chilomastix</i> spp.	6 months	Visual	May 2021	0/5	0/16
Ectoparasites	6 months	Visual	May 2021	0/5	0/16
<i>Entamoeba</i> spp.	6 months	Visual	May 2021	0/5	0/16
<i>Giardia</i> spp.	6 months	Visual	May 2021	0/5	0/16
<i>Hexamastix</i> spp.	6 months	Visual	May 2021	0/5	0/16
<i>Hymenolepis diminuta</i>	6 months	Visual	May 2021	0/5	0/16
<i>Rodentolepis nana</i>	6 months	Visual	May 2021	0/5	0/16
<i>Spirotrunculus</i> spp.	6 months	Visual	May 2021	0/5	0/16
<i>Syphacia</i> spp.	6 months	Visual	May 2021	0/5	0/16
Trichomonads	6 months	Visual	May 2021	0/5	0/16

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes  
Laboratory Animal Center  
Health Monitoring Report in 2021**

Location(Room#): **Isolated area(R2-B1315)**

Date of Issue: **Nov. 3, 2021**

Species: **Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I \ Serology:</b>					
Minute virus of mice (MVM)	3 months	ELISA	Oct. 2021	0/4	0/25
Mouse hepatitis virus (MHV)	3 months	ELISA	Oct. 2021	0/4	0/25
Mouse norovirus (MNV)	3 months	ELISA	Oct. 2021	4/4	17/25
Mouse parvovirus (MPV)	3 months	ELISA	Oct. 2021	0/4	0/25
Mouse rotavirus (EDIM)	3 months	ELISA	Oct. 2021	0/4	0/25
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Oct. 2021	0/4	0/25
Theiler's murine encephalomyelitis virus(TMEV)	3 months	ELISA	Oct. 2021	0/4	0/25
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	May 2021	0/4	0/13
Mouse adenovirus (MAAd1, MAAd2)	6 months	ELISA	May 2021	0/4	0/13
Mouse polyomavirus	Annually	ELISA	May 2021	0/4	0/13
Ectromelia virus (Pox virus)	Annually	ELISA	May 2021	0/4	0/9
Hantavirus	Annually	ELISA	May 2021	0/4	0/9
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2021	0/4	0/9
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2021	0/4	0/9
Sendai virus	Annually	ELISA	May 2021	0/4	0/9
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	1/4	4/13
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/2	0/9
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/2	0/9
<i>Salmonella</i> spp.	6 months	Culture	May 2021	0/2	0/9
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/2	0/9
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/2	0/9
<b>III \ Parasites:</b>					
<i>Aspiculuris tetraptera</i>	3 months	Visual	Oct. 2021	0/4	0/25
<i>Chilomastix</i> spp.	3 months	Visual	Oct. 2021	0/4	2/25
Ectoparasites	3 months	Visual	Oct. 2021	0/4	0/25
<i>Entamoeba</i> spp.	3 months	Visual	Oct. 2021	1/4	6/25
<i>Giardia</i> spp.	3 months	Visual	Oct. 2021	0/4	0/25
<i>Hexamastix</i> spp.	3 months	Visual	Oct. 2021	0/4	0/25
<i>Hymenolepis diminuta</i>	3 months	Visual	Oct. 2021	0/4	0/25
<i>Rodentolepis nana</i>	3 months	Visual	Oct. 2021	0/4	0/25
<i>Spiroucleus</i> spp.	3 months	Visual	Oct. 2021	0/4	0/25
<i>Syphacia</i> spp.	3 months	Visual	Oct. 2021	0/4	0/25
Trichomonads	3 months	Visual	Oct. 2021	1/4	2/25

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes  
Laboratory Animal Center  
Health Monitoring Report in 2021**

Location(Room#): **Isolated area (R2-B1316A, R2-B1255)**

Date of Issue: **Nov. 3, 2021**

Species: **Rat**

Housing: **Filter top cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I - Serology:</b>					
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Oct. 2021	0/2	0/12
Rat parvovirus	3 months	ELISA	Oct. 2021	0/2	0/12
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Oct. 2021	0/2	0/12
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Oct. 2021	0/2	0/12
Kilham's rat virus (KRV)	6 months	ELISA	May 2021	0/2	0/6
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	May 2021	0/2	0/6
Hantavirus	Annually	ELISA	May 2021	0/2	0/4
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2021	0/2	0/4
Sendai virus	Annually	ELISA	May 2021	0/2	0/4
<b>II - Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	1/2	3/6
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/2	0/6
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/2	0/6
<i>Salmonella</i> spp.	6 months	Culture	May 2021	0/2	0/6
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/2	2/6
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/2	0/6
<i>Campylobacter jejuni</i>	Annually	Culture	May 2021	0/1	0/2
<b>III - Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Oct. 2021	0/2	0/12
<i>Chilomastix</i> spp.	3 months	Visual	Oct. 2021	0/2	0/12
Ectoparasites	3 months	Visual	Oct. 2021	0/2	0/12
<i>Entamoeba</i> spp.	3 months	Visual	Oct. 2021	1/2	6/12
<i>Giardia</i> spp.	3 months	Visual	Oct. 2021	0/2	0/12
<i>Hexamastix</i> spp.	3 months	Visual	Oct. 2021	2/2	12/12
<i>Hymenolepis diminuta</i>	3 months	Visual	Oct. 2021	0/2	0/12
<i>Rodentolepis nana</i>	3 months	Visual	Oct. 2021	0/2	0/12
<i>Spironucleus</i> spp.	3 months	Visual	Oct. 2021	0/2	0/12
<i>Syphacia</i> spp.	3 months	Visual	Oct. 2021	0/2	0/12
Trichomonads	3 months	Visual	Oct. 2021	0/2	1/12

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes**  
**Laboratory Animal Center- Tainan branch**  
**Health Monitoring Report in 2021**

Location(Room#): **2B033 、2B034 、2B035**

Date of Issue: **Nov. 3, 2021**

Species: **Mouse**

Housing: **IVC cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I 、 Serology:</b>					
Minute virus of mice (MVM)	3 months	ELISA	Oct. 2021	0/5	0/41
Mouse hepatitis virus (MHV)	3 months	ELISA	Oct. 2021	0/5	0/41
Mouse norovirus (MNV)	3 months	ELISA	Oct. 2021	0/5	0/41
Mouse parvovirus (MPV)	3 months	ELISA	Oct. 2021	0/5	0/41
Mouse rotavirus (EDIM)	3 months	ELISA	Oct. 2021	0/5	0/41
<i>Mycoplasma pulmonis</i> ( <i>M. pul</i> )	3 months	ELISA	Oct. 2021	0/5	0/41
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Oct. 2021	0/5	0/41
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	May 2021	0/6	0/29
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	May 2021	0/6	0/29
Ectromelia virus (Pox virus)	Annually	ELISA	May 2021	0/6	0/15
Hantavirus	Annually	ELISA	May 2021	0/6	0/15
Mouse polyomavirus	Annually	ELISA	May 2021	0/6	0/15
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2021	0/6	0/15
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2021	0/6	0/15
Sendai virus	Annually	ELISA	May 2021	0/6	0/15
<b>II 、 Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	May 2021	0/6	0/29
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/6	0/29
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/6	0/29
<i>Salmonella</i> spp.	6 months	Culture	May 2021	0/6	0/29
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/6	0/29
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/6	0/29
<b>III 、 Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Oct. 2021	0/5	0/41
<i>Chilomastix</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
Ectoparasites	3 months	Visual	Oct. 2021	0/5	0/41
<i>Entamoeba</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
<i>Giardia</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
<i>Hexamastix</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
<i>Rodentolepis nana</i>	3 months	Visual	Oct. 2021	0/5	0/41
<i>Spironucleus</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
<i>Syphacia</i> spp.	3 months	Visual	Oct. 2021	0/5	0/41
Trichomonads	3 months	Visual	Oct. 2021	0/5	0/41

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_

**National Health Research Institutes  
Laboratory Animal Center- Tainan branch  
Health Monitoring Report in 2021**

Location(Room#): **2B034**

Date of Issue: **Nov. 3, 2021**

Species: **Immunodeficient Mouse**

Housing: **IVC cages**

Items	Test frequency	Test method	Latest test date	Latest results	Historical results (<18 months)
<b>I 、 Microbiology:</b>					
<i>Bordetella bronchiseptica</i>	6 months	Culture	May 2021	0/2	0/6
<i>Clostridium piliforme</i>	6 months	PCR	May 2021	0/2	0/6
<i>Corynebacterium kutscheri</i>	6 months	Culture	May 2021	0/2	0/6
<i>Helicobacter spp.</i>	6 months	PCR	May 2021	0/2	0/6
<i>Klebsiella pneumoniae</i>	6 months	Culture	May 2021	0/2	0/6
<i>Mycoplasma spp.</i>	6 months	PCR	May 2021	0/2	0/6
<i>Pasteurella pneumotropica</i>	6 months	Culture	May 2021	0/2	0/6
<i>Pseudomonas aeruginosa</i>	6 months	Culture	May 2021	0/2	0/6
<i>Pneumocystis spp.</i>	6 months	PCR	May 2021	0/2	0/6
<i>Salmonella spp.</i>	6 months	Culture	May 2021	0/2	0/6
<i>Staphylococcus aureus</i>	6 months	Culture	May 2021	0/2	0/6
<i>Streptococcus pneumoniae</i>	6 months	Culture	May 2021	0/2	0/6
<b>II 、 Parasites:</b>					
<i>Aspiculuris tetraptera</i>	6 months	Visual	May 2021	0/2	0/6
<i>Chilomastix spp.</i>	6 months	Visual	May 2021	0/2	0/6
Ectoparasites	6 months	Visual	May 2021	0/2	0/6
<i>Entamoeba spp.</i>	6 months	Visual	May 2021	0/2	0/6
<i>Giardia spp.</i>	6 months	Visual	May 2021	0/2	0/6
<i>Hexamastix spp.</i>	6 months	Visual	May 2021	0/2	0/6
<i>Rodentolepis nana</i>	6 months	Visual	May 2021	0/2	0/6
<i>Spiroplasma spp.</i>	6 months	Visual	May 2021	0/2	0/6
<i>Syphacia spp.</i>	6 months	Visual	May 2021	0/2	0/6
Trichomonads	6 months	Visual	May 2021	0/2	0/6

Data are expressed as number positive/number tested.

Signature of Veterinarian: \_\_\_\_\_