

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

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

Date of Issue: **Mar. 15, 2021**

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	Feb. 2021	0/52	0/320
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2021	0/52	0/320
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2021	7/52	49/320
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2021	0/52	0/320
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Feb. 2021	0/52	0/320
<i>Mycoplasma pulmonis</i> ( <i>M. pul</i> )	3 months	ELISA	Feb. 2021	0/52	0/320
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2021	0/52	0/320
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/54	0/163
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2020	0/54	0/163
Ectromelia virus (Pox virus)	Annually	ELISA	May 2020	0/55	0/55
Hantavirus	Annually	ELISA	May 2020	0/55	0/55
Mouse polyomavirus	Annually	ELISA	May 2020	0/55	0/55
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/55	0/55
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2020	0/55	0/55
Sendai virus	Annually	ELISA	May 2020	0/55	0/55
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	14/54	61/163
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/54	0/151
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/54	0/151
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/54	0/151
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/54	1/151
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/54	0/151
<b>III \ Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2021	0/52	0/320
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2021	0/52	0/320
Ectoparasites	3 months	Visual	Feb. 2021	0/52	0/320
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2021	14/52	79/320
<i>Giardia</i> spp.	3 months	Visual	Feb. 2021	0/52	0/320
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2021	0/52	0/320
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2021	0/52	0/320
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2021	0/52	0/320
<i>Spiroucleus</i> spp.	3 months	Visual	Feb. 2021	0/52	0/320
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2021	0/52	0/320
Trichomonads	3 months	Visual	Feb. 2021	0/52	0/320

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: **Mar. 15, 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	Feb. 2021	0/1	0/6
Rat parvovirus	3 months	ELISA	Feb. 2021	0/1	0/6
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb. 2021	0/1	0/6
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2021	0/1	0/6
Kilham's rat virus (KRV)	6 months	ELISA	Nov. 2020	0/1	0/3
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/1	0/3
Hantavirus	Annually	ELISA	May 2020	0/1	0/1
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/1	0/1
Sendai virus	Annually	ELISA	May 2020	0/1	0/1
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	0/1	0/3
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/1	0/3
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/1	0/3
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	1/1	1/3
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/1	0/3
<b>III \ Parasites:</b>					
<i>Aspiculuris tetraptera</i>	3 months	Visual	Feb. 2021	0/1	0/6
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2021	0/1	0/6
Ectoparasites	3 months	Visual	Feb. 2021	0/1	0/6
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2021	1/1	6/6
<i>Giardia</i> spp.	3 months	Visual	Feb. 2021	0/1	0/6
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2021	0/1	0/6
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2021	0/1	0/6
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2021	0/1	0/6
<i>Spirotrichus</i> spp.	3 months	Visual	Feb. 2021	0/1	0/6
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2021	0/1	0/6
Trichomonads	3 months	Visual	Feb. 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: **Mar. 15, 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	Nov. 2020	0/5	0/16
<i>Citrobacter rodentium</i>	6 months	Culture	Nov. 2020	0/5	0/16
<i>Clostridium piliforme</i>	6 months	PCR	Nov. 2020	0/5	0/16
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2020	0/5	0/16
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	0/5	0/16
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/5	0/16
<i>Mycoplasma</i> spp.	6 months	PCR	Nov. 2020	0/5	0/16
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/5	0/16
<i>Pneumocystis murina</i>	6 months	PCR	Nov. 2020	0/5	0/16
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2020	0/5	0/16
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/5	0/16
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	1/5	2/16
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/5	0/16
<b>II ∨ Parasites:</b>					
<i>Aspicularis tetraptera</i>	6 months	Visual	Nov. 2020	0/5	0/17
<i>Chilomastix</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
Ectoparasites	6 months	Visual	Nov. 2020	0/5	0/17
<i>Entamoeba</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
<i>Giardia</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
<i>Hexamastix</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
<i>Hymenolepis diminuta</i>	6 months	Visual	Nov. 2020	0/5	0/17
<i>Rodentolepis nana</i>	6 months	Visual	Nov. 2020	0/5	0/17
<i>Spironucleus</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
<i>Syphacia</i> spp.	6 months	Visual	Nov. 2020	0/5	0/17
Trichomonads	6 months	Visual	Nov. 2020	0/5	0/17

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: **Mar. 15, 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	Feb. 2021	0/4	0/29
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2021	0/4	0/29
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2021	2/4	16/29
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2021	0/4	0/29
mouse rotavirus (epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Feb. 2021	0/4	0/29
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Feb. 2021	0/4	0/29
Theiler's murine encephalomyelitis virus(TMEV)	3 months	ELISA	Feb. 2021	0/4	0/29
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/4	0/16
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2020	0/4	0/16
Mouse polyomavirus	6 months	ELISA	Nov. 2020	0/4	0/16
Ectromelia virus (Pox virus)	Annually	ELISA	May 2020	0/5	0/5
Hantavirus	Annually	ELISA	May 2020	0/5	0/5
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/5	0/5
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2020	0/5	0/5
Sendai virus	Annually	ELISA	May 2020	0/5	0/5
<b>II - Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	1/4	8/16
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/9
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/2	0/9
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/2	0/9
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/2	0/9
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/9
<b>III - Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2021	0/4	0/29
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2021	1/4	4/29
Ectoparasites	3 months	Visual	Feb. 2021	0/4	0/29
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2021	1/4	11/29
<i>Giardia</i> spp.	3 months	Visual	Feb. 2021	0/4	0/29
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2021	0/4	0/29
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2021	0/4	0/29
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2021	0/4	0/29
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2021	0/4	0/29
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2021	0/4	0/29
Trichomonads	3 months	Visual	Feb. 2021	0/4	2/29

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: **Mar. 15, 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	Feb. 2021	0/2	0/12
Rat parvovirus	3 months	ELISA	Feb. 2021	0/2	0/12
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb. 2021	0/2	0/12
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2021	0/2	0/12
Kilham's rat virus (KRV)	6 months	ELISA	Nov. 2020	0/2	0/6
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/2	0/6
Hantavirus	Annually	ELISA	May 2020	0/2	0/2
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/2	0/2
Sendai virus	Annually	ELISA	May 2020	0/2	0/2
<b>II \ Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	1/2	3/6
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/2	0/6
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/2	4/6
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Campylobacter jejuni</i>	Annually	Culture	May 2020	0/1	0/2
<b>III \ Parasites:</b>					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2021	0/2	0/12
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2021	0/2	2/12
Ectoparasites	3 months	Visual	Feb. 2021	0/2	0/12
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2021	1/2	6/12
<i>Giardia</i> spp.	3 months	Visual	Feb. 2021	0/2	0/12
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2021	2/2	12/12
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2021	0/2	0/12
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2021	0/2	0/12
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2021	0/2	0/12
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2021	0/2	0/12
Trichomonads	3 months	Visual	Feb. 2021	0/2	0/12

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: **Mar. 15, 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	Mar. 2021	0/6	0/48
Mouse hepatitis virus (MHV)	3 months	ELISA	Mar. 2021	0/6	0/48
Mouse norovirus (MNV)	3 months	ELISA	Mar. 2021	0/6	0/48
Mouse parvovirus (MPV)	3 months	ELISA	Mar. 2021	0/6	0/48
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Mar. 2021	0/6	0/48
<i>Mycoplasma pulmonis</i> ( <i>M. pul</i> )	3 months	ELISA	Mar. 2021	0/6	0/48
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Mar. 2021	0/6	0/48
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/7	0/32
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2020	0/7	0/32
Ectromelia virus (Pox virus)	Annually	ELISA	May 2020	0/0	0/9
Hantavirus	Annually	ELISA	May 2020	0/0	0/9
Mouse polyomavirus	Annually	ELISA	May 2020	0/0	0/9
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/0	0/9
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2020	0/0	0/9
Sendai virus	Annually	ELISA	May 2020	0/0	0/9
<b>II、Microbiology:</b>					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	0/7	0/32
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/7	0/32
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/7	0/32
<i>Pseudomonas aeruginosa</i>	6 months	Culture	May 2020	0/0	0/18
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/7	0/32
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/7	2/32
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/7	0/32
<b>III、Parasites:</b>					
<i>Aspiculuris tetraptera</i>	3 months	Visual	Mar. 2021	0/6	0/48
<i>Chilomastix</i> spp.	3 months	Visual	Mar. 2021	0/6	0/48
Ectoparasites	3 months	Visual	Mar. 2021	0/6	0/48
<i>Entamoeba</i> spp.	3 months	Visual	Mar. 2021	0/6	1/48*
<i>Giardia</i> spp.	3 months	Visual	Mar. 2021	0/6	0/48
<i>Hexamastix</i> spp.	3 months	Visual	Mar. 2021	0/6	0/48
<i>Rodentolepis nana</i>	3 months	Visual	Mar. 2021	0/6	0/48
<i>Spironucleus</i> spp.	3 months	Visual	Mar. 2021	0/6	0/48
<i>Syphacia</i> spp.	3 months	Visual	Mar. 2021	0/6	0/48
Trichomonads	3 months	Visual	Mar. 2021	0/6	0/48

Data are expressed as number positive/number tested.

\* Positive sentinel mouse was housed in quantitive room(2B030), where the mice have positive results of *Entamoeba* spp.

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

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

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

Date of Issue: **Mar. 15, 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	Nov. 2020	0/2	0/6
<i>Clostridium piliforme</i>	6 months	PCR	Nov. 2020	0/2	0/6
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Helicobacter spp.</i>	6 months	PCR	Nov. 2020	0/2	0/6
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Mycoplasma spp.</i>	6 months	PCR	Nov. 2020	0/2	0/6
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Pneumocystis spp.</i>	6 months	PCR	Nov. 2020	0/2	0/6
<i>Salmonella spp.</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/2	0/6
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/2	0/6
<b>II - Parasites:</b>					
<i>Aspicularis tetraptera</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Chilomastix spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
Ectoparasites	6 months	Visual	Nov. 2020	0/2	0/6
<i>Entamoeba spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Giardia spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Hexamastix spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Rodentolepis nana</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Spironucleus spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
<i>Syphacia spp.</i>	6 months	Visual	Nov. 2020	0/2	0/6
Trichomonads	6 months	Visual	Nov. 2020	0/2	0/6

Data are expressed as number positive/number tested.

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