

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2020**

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

Date of Issue: **Jan. 18, 2021**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I \ Serology:					
Minute virus of mice (MVM)	3 months	ELISA	Nov. 2020	0/54	0/324
Mouse hepatitis virus (MHV)	3 months	ELISA	Nov. 2020	0/54	0/324
Mouse norovirus (MNV)	3 months	ELISA	Nov. 2020	2/54	53/324
Mouse parvovirus (MPV)	3 months	ELISA	Nov. 2020	0/54	0/324
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Nov. 2020	0/54	0/324
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Nov. 2020	0/54	0/324
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Nov. 2020	0/54	0/324
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
II \ Microbiology:					
<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
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Nov. 2020	0/54	0/324
<i>Chilomastix</i> spp.	3 months	Visual	Nov. 2020	0/54	0/324
Ectoparasites	3 months	Visual	Nov. 2020	0/54	0/324
<i>Entamoeba</i> spp.	3 months	Visual	Nov. 2020	13/54	76/324
<i>Giardia</i> spp.	3 months	Visual	Nov. 2020	0/54	0/324
<i>Hexamastix</i> spp.	3 months	Visual	Nov. 2020	0/54	0/324
<i>Hymenolepis diminuta</i>	3 months	Visual	Nov. 2020	0/54	0/324
<i>Rodentolepis nana</i>	3 months	Visual	Nov. 2020	0/54	0/324
<i>Spirotrunculus</i> spp.	3 months	Visual	Nov. 2020	0/54	0/324
<i>Syphacia</i> spp.	3 months	Visual	Nov. 2020	0/54	0/324
Trichomonads	3 months	Visual	Nov. 2020	0/54	0/324

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2020**

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

Date of Issue: **Jan. 18, 2021**

Species: **Rat**

Housing: **Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I \ Serology:					
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Nov. 2020	0/1	0/6
Rat parvovirus	3 months	ELISA	Nov. 2020	0/1	0/6
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Nov. 2020	0/1	0/6
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Nov. 2020	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
II \ Microbiology:					
<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
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Nov. 2020	0/1	0/6
<i>Chilomastix</i> spp.	3 months	Visual	Nov. 2020	0/1	0/6
Ectoparasites	3 months	Visual	Nov. 2020	0/1	0/6
<i>Entamoeba</i> spp.	3 months	Visual	Nov. 2020	1/1	6/6
<i>Giardia</i> spp.	3 months	Visual	Nov. 2020	0/1	0/6
<i>Hexamastix</i> spp.	3 months	Visual	Nov. 2020	0/1	0/6
<i>Hymenolepis diminuta</i>	3 months	Visual	Nov. 2020	0/1	0/6
<i>Rodentolepis nana</i>	3 months	Visual	Nov. 2020	0/1	0/6
<i>Spironucleus</i> spp.	3 months	Visual	Nov. 2020	0/1	0/6
<i>Syphacia</i> spp.	3 months	Visual	Nov. 2020	0/1	0/6
Trichomonads	3 months	Visual	Nov. 2020	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 2020**

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

Date of Issue: **Jan. 18, 2021**

Species: **Immunodeficient Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I ▾ Microbiology:					
<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	2/18
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/5	0/16
II ▾ Parasites:					
<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>Spiroucleus</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 2020**

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

Date of Issue: **Jan. 18, 2021**

Species: **Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I - Serology:					
Minute virus of mice (MVM)	3 months	ELISA	Nov. 2020	0/4	0/31
Mouse hepatitis virus (MHV)	3 months	ELISA	Nov. 2020	0/4	0/31
Mouse norovirus (MNV)	3 months	ELISA	Nov. 2020	2/4	17/31
Mouse parvovirus (MPV)	3 months	ELISA	Nov. 2020	0/4	0/31
Mouse rotavirus (epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Nov. 2020	0/4	0/31
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Nov. 2020	0/4	0/31
Theiler's murine encephalomyelitis virus(TMEV)	3 months	ELISA	Nov. 2020	0/4	0/31
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
II - Microbiology:					
<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
III - Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Nov. 2020	0/4	0/31
<i>Chilomastix</i> spp.	3 months	Visual	Nov. 2020	1/4	4/31
Ectoparasites	3 months	Visual	Nov. 2020	0/4	0/31
<i>Entamoeba</i> spp.	3 months	Visual	Nov. 2020	1/4	13/31
<i>Giardia</i> spp.	3 months	Visual	Nov. 2020	0/4	0/31
<i>Hexamastix</i> spp.	3 months	Visual	Nov. 2020	0/4	0/31
<i>Hymenolepis diminuta</i>	3 months	Visual	Nov. 2020	0/4	0/31
<i>Rodentolepis nana</i>	3 months	Visual	Nov. 2020	0/4	0/31
<i>Spironucleus</i> spp.	3 months	Visual	Nov. 2020	0/4	0/31
<i>Syphacia</i> spp.	3 months	Visual	Nov. 2020	0/4	0/31
Trichomonads	3 months	Visual	Nov. 2020	0/4	3/31

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2020**

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

Date of Issue: **Jan. 18, 2021**

Species: **Rat**

Housing: **Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I \ Serology:					
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Nov. 2020	0/2	0/11
Rat parvovirus	3 months	ELISA	Nov. 2020	0/2	0/11
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Nov. 2020	0/2	0/11
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Nov. 2020	0/2	0/11
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
II \ Microbiology:					
<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
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Nov. 2020	0/2	0/11
<i>Chilomastix</i> spp.	3 months	Visual	Nov. 2020	0/2	3/11
Ectoparasites	3 months	Visual	Nov. 2020	0/2	0/11
<i>Entamoeba</i> spp.	3 months	Visual	Nov. 2020	1/2	6/11
<i>Giardia</i> spp.	3 months	Visual	Nov. 2020	0/2	0/11
<i>Hexamastix</i> spp.	3 months	Visual	Nov. 2020	2/2	11/11
<i>Hymenolepis diminuta</i>	3 months	Visual	Nov. 2020	0/2	0/11
<i>Rodentolepis nana</i>	3 months	Visual	Nov. 2020	0/2	0/11
<i>Spironucleus</i> spp.	3 months	Visual	Nov. 2020	0/2	0/11
<i>Syphacia</i> spp.	3 months	Visual	Nov. 2020	0/2	0/11
Trichomonads	3 months	Visual	Nov. 2020	0/2	0/11

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

National Health Research Institutes
Laboratory Animal Center- Tainan branch
Health Monitoring Report in 2020

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

Date of Issue: **Jan. 18, 2021**

Species: **Mouse**

Housing: **IVC cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I、Serology:					
Minute virus of mice (MVM)	3 months	ELISA	Nov. 2020	0/7	0/51
Mouse hepatitis virus (MHV)	3 months	ELISA	Nov. 2020	0/7	0/51
Mouse norovirus (MNV)	3 months	ELISA	Nov. 2020	0/7	1/51
Mouse parvovirus (MPV)	3 months	ELISA	Nov. 2020	0/7	0/51
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Nov. 2020	0/7	0/51
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Nov. 2020	0/7	0/51
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Nov. 2020	0/7	0/51
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2020	0/7	0/25
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2020	0/7	0/25
Ectromelia virus (Pox virus)	Annually	ELISA	May 2020	0/9	0/9
Hantavirus	Annually	ELISA	May 2020	0/9	0/9
Mouse polyomavirus	Annually	ELISA	May 2020	0/9	0/9
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2020	0/9	0/9
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2020	0/9	0/9
Sendai virus	Annually	ELISA	May 2020	0/9	0/9
II、Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2020	0/7	0/25
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2020	0/7	0/25
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2020	0/7	0/25
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2020	0/7	0/25
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2020	0/7	2/25
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2020	0/7	0/25
III、Parasites:					
<i>Aspiculuris tetraptera</i>	3 months	Visual	Nov. 2020	0/7	0/51
<i>Chilomastix</i> spp.	3 months	Visual	Nov. 2020	0/7	0/51
Ectoparasites	3 months	Visual	Nov. 2020	0/7	0/51
<i>Entamoeba</i> spp.	3 months	Visual	Nov. 2020	0/7	2/51*
<i>Giardia</i> spp.	3 months	Visual	Nov. 2020	0/7	0/51
<i>Hexamastix</i> spp.	3 months	Visual	Nov. 2020	0/7	0/51
<i>Rodentolepis nana</i>	3 months	Visual	Nov. 2020	0/7	0/51
<i>Spironucleus</i> spp.	3 months	Visual	Nov. 2020	0/7	0/51
<i>Syphacia</i> spp.	3 months	Visual	Nov. 2020	0/7	0/51
Trichomonads	3 months	Visual	Nov. 2020	0/7	0/51

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 2020**

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

Date of Issue: **Jan. 18, 2020**

Species: **Immunodeficient Mouse**

Housing: **IVC cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I - Microbiology:					
<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
II - Parasites:					
<i>Aspiculuris 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: _____