

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

Location(Room#): **Rodent area
(R2-B1114~R2-B1154, R2-B1231~R2-B1232)**

Date of Issue: **Mar. 25, 2020**

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	Feb. 2020	0/52	0/333
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2020	0/52	0/333
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2020	5/52	74/333
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2020	0/52	0/333
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Feb. 2020	0/52	0/333
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Feb. 2020	0/52	0/333
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2020	0/52	0/333
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2019	0/54	0/168
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2019	0/54	0/168
Ectromelia virus (Pox virus)	Annually	ELISA	May 2019	0/60	0/60
Hantavirus	Annually	ELISA	May 2019	0/60	0/60
Mouse polyomavirus	Annually	ELISA	May 2019	0/60	0/114
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2019	0/60	0/60
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2019	0/60	0/60
Sendai virus	Annually	ELISA	May 2019	0/60	0/60
II 、 Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	25/54	25/54
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/42	0/127
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/42	0/127
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/42	0/127
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	*1/42	1/127
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/42	0/127
III 、 Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2020	0/52	0/333
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2020	0/52	0/333
Ectoparasites	3 months	Visual	Feb. 2020	0/52	0/333
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2020	14/52	86/333
<i>Giardia</i> spp.	3 months	Visual	Feb. 2020	0/52	0/333
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2020	0/52	0/333
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2020	0/52	0/333
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2020	0/52	0/333
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2020	0/52	0/333
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2020	0/52	0/333
Trichomonads	3 months	Visual	Feb. 2020	0/52	0/333

Data are expressed as number positive/number tested.

*該小鼠族群未隔離但持續追蹤中。

Signature of Veterinarian: _____

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

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

Date of Issue: **Mar. 25, 2020**

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	Feb. 2020	0/1	0/6
Rat parvovirus	3 months	ELISA	Feb. 2020	0/1	0/6
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb. 2020	0/1	0/6
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2020	0/1	0/6
Kilham's rat virus (KRV)	6 months	ELISA	Nov. 2019	0/1	0/3
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2019	0/1	0/3
Hantavirus	Annually	ELISA	May 2019	0/1	0/1
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2019	0/1	0/1
Sendai virus	Annually	ELISA	May 2019	0/1	0/1
II \ Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	0/1	0/1
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/1	0/3
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/1	0/3
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	0/1	1/4
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/1	0/3
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2020	0/1	0/6
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2020	0/1	0/6
Ectoparasites	3 months	Visual	Feb. 2020	0/1	0/6
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2020	1/1	6/6
<i>Giardia</i> spp.	3 months	Visual	Feb. 2020	0/1	0/6
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2020	0/1	0/6
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2020	0/1	0/6
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2020	0/1	0/6
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2020	0/1	0/6
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2020	0/1	0/6
Trichomonads	3 months	Visual	Feb. 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-B1141, R2-B1316B)**

Date of Issue: **Mar. 25, 2020**

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. 2019	0/5	0/20
<i>Citrobacter rodentium</i>	6 months	Culture	Nov. 2019	0/5	0/20
<i>Clostridium piliforme</i>	6 months	PCR	Nov. 2019	0/5	0/20
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2019	0/5	0/20
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	0/5	0/5
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/5	0/20
<i>Mycoplasma</i> spp.	6 months	PCR	Nov. 2019	0/5	0/20
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/5	0/20
<i>Pneumocystis murina</i>	6 months	PCR	Nov. 2019	0/5	0/20
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2019	0/5	0/20
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/5	0/20
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	0/5	3/24
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/5	0/20
Mouse norovirus	Annually	RT-PCR	May 2019	0/8	0/8
II - Parasites:					
<i>Aspicularis tetraptera</i>	6 months	Visual	Nov. 2019	0/6	0/21
<i>Chilomastix</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
Ectoparasites	6 months	Visual	Nov. 2019	0/6	0/21
<i>Entamoeba</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
<i>Giardia</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
<i>Hexamastix</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
<i>Hymenolepis diminuta</i>	6 months	Visual	Nov. 2019	0/6	0/21
<i>Rodentolepis nana</i>	6 months	Visual	Nov. 2019	0/6	0/21
<i>Spironucleus</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
<i>Syphacia</i> spp.	6 months	Visual	Nov. 2019	0/6	0/21
Trichomonads	6 months	Visual	Nov. 2019	0/6	0/21

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~R2-B1317)

Date of Issue: Mar. 25, 2020

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	Feb. 2020	0/5	0/40
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2020	0/5	0/40
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2020	3/5	22/40
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2020	0/5	0/40
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Feb. 2020	0/5	0/40
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Feb. 2020	0/5	0/40
Theiler's murine encephalomyelitis virus(TMEV)	3 months	ELISA	Feb. 2020	0/5	0/40
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2019	0/7	0/22
Mouse adenovirus (MA ₁ , MA ₂)	6 months	ELISA	Nov. 2019	0/7	0/22
Mouse polyomavirus	6 months	ELISA	Nov. 2019	0/7	0/22
Ectromelia virus (Pox virus)	Annually	ELISA	May 2019	0/8	0/8
Hantavirus	Annually	ELISA	May 2019	0/8	0/8
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2019	0/8	0/8
Reovirus type 3 (Reo-3)	Annually	ELISA	May 2019	0/8	0/8
Sendai virus	Annually	ELISA	May 2019	0/8	0/8
II \ Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	5/7	5/7
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/6
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/2	0/6
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/2	0/6
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	0/2	0/6
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/6
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2020	0/5	0/40
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2020	1/5	7/40
Ectoparasites	3 months	Visual	Feb. 2020	0/5	0/40
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2020	2/5	18/40
<i>Giardia</i> spp.	3 months	Visual	Feb. 2020	0/5	0/40
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2020	0/5	0/40
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2020	0/5	0/40
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2020	0/5	0/40
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2020	0/5	0/40
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2020	0/5	0/40
Trichomonads	3 months	Visual	Feb. 2020	1/5	3/40

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: **Mar. 25, 2020**

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	Feb. 2020	0/2	0/8
Rat parvovirus	3 months	ELISA	Feb. 2020	0/2	0/8
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb. 2020	0/2	0/8
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2020	0/2	0/8
Kilham's rat virus (KRV)	6 months	ELISA	Nov. 2019	0/2	0/4
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2019	0/2	0/4
Hantavirus	Annually	ELISA	May 2019	0/1	0/1
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2019	0/1	0/1
Sendai virus	Annually	ELISA	May 2019	0/1	0/1
II \ Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	1/2	1/2
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/4
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/2	2/4
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/2	0/4
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	2/2	3/5
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/4
<i>Campylobacter jejuni</i>	Annually	Culture	Nov. 2019	0/1	0/1
III \ Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2020	0/2	0/8
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2020	0/2	6/8
Ectoparasites	3 months	Visual	Feb. 2020	0/2	0/8
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2020	1/2	6/8
<i>Giardia</i> spp.	3 months	Visual	Feb. 2020	0/2	0/8
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2020	2/2	8/8
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb. 2020	0/2	0/8
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2020	0/2	0/8
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2020	0/2	0/8
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2020	0/2	0/8
Trichomonads	3 months	Visual	Feb. 2020	0/2	0/8

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#): **2B030、2B033、2B034、2B035**

Date of Issue: **Mar 25, 2020**

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	Feb. 2020	0/9	0/52
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2020	0/9	0/52
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2020	0/9	3/52
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2020	0/9	0/52
Mouse rotavirus (Epizootic diarrhea of infant mice, EDIM)	3 months	ELISA	Feb. 2020	0/9	0/52
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Feb. 2020	0/9	0/52
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb. 2020	0/9	0/52
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2019	0/9	0/26
Mouse adenovirus (MAd1, MAd2)	6 months	ELISA	Nov. 2019	0/9	0/26
Ectromelia virus (Pox virus)	Annually	ELISA	May 2019	0/9	0/9
Hantavirus	Annually	ELISA	May 2019	0/9	0/9
Mouse polyomavirus	Annually	ELISA	May 2019	0/9	0/17
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2019	0/9	0/9
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2019	0/9	0/9
Sendai virus	Annually	ELISA	May 2019	0/9	0/9
II、Microbiology:					
<i>Helicobacter</i> spp.	6 months	PCR	Nov. 2019	0/9	0/18
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/9	0/24
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2019	0/9	0/24
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2019	0/9	0/19
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2019	0/9	0/24
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	2/9	2/24
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/9	0/24
III、Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2020	0/9	0/50
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2020	0/9	0/50
Ectoparasites	3 months	Visual	Feb. 2020	0/9	0/50
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2020	0/9	3/50*
<i>Giardia</i> spp.	3 months	Visual	Feb. 2020	0/9	0/50
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2020	0/9	0/50
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2020	0/9	0/50
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2020	0/9	0/50
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2020	0/9	0/50
Trichomonads	3 months	Visual	Feb. 2020	0/9	0/50

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: **Mar 25, 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. 2019	0/2	0/4
<i>Clostridium piliforme</i>	6 months	PCR	Nov. 2019	0/2	0/4
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2019	0/2	0/4
<i>Helicobacter spp.</i>	6 months	PCR	Nov. 2019	0/2	0/2
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/9
<i>Mycoplasma spp.</i>	6 months	PCR	Nov. 2019	0/2	0/4
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2019	0/2	0/4
<i>Pneumocystis spp.</i>	6 months	PCR	Nov. 2019	0/2	0/4
<i>Salmonella spp.</i>	6 months	Culture	Nov. 2019	0/2	0/9
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2019	0/2	1/9
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2019	0/2	0/9
Mouse norovirus (MNV)	Anually	PCR	May 2019	0/1	1/17
II 、 Parasites:					
<i>Aspicularis tetraptera</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Chilomastix spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
Ectoparasites	6 months	Visual	Nov. 2019	0/2	0/17
<i>Entamoeba spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Giardia spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Hexamastix spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Rodentolepis nana</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Spironucleus spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
<i>Syphacia spp.</i>	6 months	Visual	Nov. 2019	0/2	0/17
Trichomonads	6 months	Visual	Nov. 2019	0/2	0/17

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____