

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2019**

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

Date of Issue: **March.13, 2019**

Species: **Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I - Serology:					
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb., 2019	0/57	0/379
Mouse Norovirus (MNV)	3 months	ELISA	Feb., 2019	17/57	108/326
Mouse Parvovirus (MPV)	3 months	ELISA	Feb., 2019	0/57	0/379
Minute virus of mice (MVM)	3 months	ELISA	Feb., 2019	0/57	0/326
<i>Mycoplasma pulmonis (M. pul)</i>	3 months	ELISA	Feb., 2019	0/57	0/379
Theiler's murine encephalomyelitis virus (TMEV)	3 months	ELISA	Feb., 2019	0/57	0/379
Mouse rotavirus (Epizootic diarrhea of infant mice) (EDIM)	3 months	ELISA	Feb., 2019	0/57	0/273
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov., 2018	0/54	0/161
Mouse adenovirus (Mad)	6 months	ELISA	Nov., 2018	0/54	0/161
Mouse Polyomavirus	Annually	ELISA	Nov., 2018	0/54	0/108
Hantavirus	Annually	ELISA	Jun., 2018	0/54	0/54
Ectromelia virus (Pox virus)	Annually	ELISA	Jun., 2018	0/54	0/54
Pneumonia virus of mice (PVM)	Annually	ELISA	Jun., 2018	0/54	0/54
Reovirus Type 3 (Reo-3)	Annually	ELISA	Jun., 2018	0/54	0/54
Sendai virus	Annually	ELISA	Jun., 2018	0/54	0/54
II - Microbiology:					
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov., 2018	0/40	0/116
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov., 2018	0/40	0/116
<i>Salmonella</i> spp.	6 months	Culture	Nov., 2018	0/40	0/116
<i>Staphylococcus aureus</i>	6 months	Culture	Nov., 2018	0/40	0/116
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov., 2018	0/40	0/116
<i>Helicobacter</i> spp.	6 months	PCR	Jun., 2018	13/54	13/54
III - Parasites:					
<i>Chilomastix</i> spp.	3 months	Visual	Feb., 2019	0/57	0/379
<i>Entamoeba</i> spp.	3 months	Visual	Feb., 2019	20/57	105/379
<i>Giardia</i> spp.	3 months	Visual	Feb., 2019	0/57	0/379
<i>Hexamastix</i> spp.	3 months	Visual	Feb., 2019	0/57	0/379
<i>Spiroplasma</i> spp.	3 months	Visual	Feb., 2019	0/57	0/379
Trichomonads	3 months	Visual	Feb., 2019	0/57	0/379
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb., 2019	0/57	0/379
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb., 2019	0/57	0/379
<i>Syphacia</i> spp.	3 months	Visual	Feb., 2019	0/57	0/379
<i>Rodentolepis nana</i>	3 months	Visual	Feb., 2019	0/57	0/379
Ectoparasites	3 months	Visual	Feb., 2019	0/57	0/379

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2019**

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

Date of Issue:**March.13, 2019**

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., 2019	0/1	0/11
Rat parvovirus	3 months	ELISA	Feb., 2019	0/1	0/11
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb., 2019	0/1	0/11
Theiler's murine encephalomyelitis virus (GD VII)	3 months	ELISA	Feb., 2019	0/1	0/11
Kilham's rat virus (KRV)	6 months	ELISA	Nov., 2018	0/1	0/4
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov., 2018	0/1	0/4
Hantavirus	Annually	ELISA	Jun., 2018	0/2	0/2
Pneumonia virus of mice (PVM)	Annually	ELISA	Jun., 2018	0/2	0/2
Sendai virus	Annually	ELISA	Jun., 2018	0/2	0/2
II \ Microbiology:					
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov., 2018	0/1	0/3
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov., 2018	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	Nov., 2018	0/1	0/3
<i>Staphylococcus aureus</i>	6 months	Culture	Nov., 2018	0/1	1/4
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov., 2018	0/1	0/3
<i>Helicobacter</i> spp.	6 months	PCR	Jun., 2018	0/2	0/2
III \ Parasites:					
<i>Chilomastix</i> spp.	3 months	Visual	Feb., 2019	0/1	0/11
<i>Entamoeba</i> spp.	3 months	Visual	Feb., 2019	1/1	5/11
<i>Giardia</i> spp.	3 months	Visual	Feb., 2019	0/1	0/11
<i>Hexamastix</i> spp.	3 months	Visual	Feb., 2019	0/1	0/11
<i>Spiroucleus</i> spp.	3 months	Visual	Feb., 2019	0/1	0/11
Trichomonads	3 months	Visual	Feb., 2019	0/1	0/11
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb., 2019	0/1	0/11
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb., 2019	0/1	0/11
<i>Syphacia</i> spp.	3 months	Visual	Feb., 2019	0/1	0/11
<i>Rodentolepis nana</i>	3 months	Visual	Feb., 2019	0/1	0/11
Ectoparasites	3 months	Visual	Feb., 2019	0/1	0/11

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2019**

Location(Room#): **Rodent area
(R2-B1125, R2-B1127,R2-B1141)**

Date of Issue:**March.13, 2019**

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., 2018	0/7	0/27
<i>Citrobacter rodentium</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Clostridium piliforme</i>	6 months	PCR	Nov., 2018	0/7	0/27
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Mycoplasma</i> spp.	6 months	PCR	Nov., 2018	0/7	0/27
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Pneumocystis murina</i>	6 months	PCR	Nov., 2018	0/7	0/27
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Salmonella</i> spp.	6 months	Culture	Nov., 2018	0/7	0/27
<i>Staphylococcus aureus</i>	6 months	Culture	Feb., 2019	0/2	2/29
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov., 2018	0/7	0/27
<i>Helicobacter</i> spp.	6 months	PCR	Jun., 2018	0/7	0/14
Mouse Norovirus	Annually	RT-PCR	Jun., 2018	0/7	0/14
II - Parasites:					
<i>Chilomastix</i> spp.	6 months	Visual	Nov., 2018	0/7	0/27
<i>Entamoeba</i> spp.	6 months	Visual	Nov., 2018	0/7	3/27
<i>Giardia</i> spp.	6 months	Visual	Nov., 2018	0/7	0/27
<i>Hexamastix</i> spp.	6 months	Visual	Nov., 2018	0/7	0/27
<i>Spiroucleus</i> spp.	6 months	Visual	Nov., 2018	0/7	0/27
Trichomonads	6 months	Visual	Nov., 2018	0/7	0/27
<i>Aspiculuris tetraptera</i>	6 months	Visual	Nov., 2018	0/7	0/27
<i>Hymenolepis diminuta</i>	6 months	Visual	Nov., 2018	0/7	0/27
<i>Syphacia</i> spp.	6 months	Visual	Nov., 2018	0/7	0/27
<i>Rodentolepis nana</i>	6 months	Visual	Nov., 2018	0/7	0/27
Ectoparasites	6 months	Visual	Nov., 2018	0/7	0/27

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2019**

Location(Room#): **Isolated area(R2-B1315~R2-B1317)**

Date of Issue: **March.13, 2019**

Species: **Mouse**

Housing: **IVC/ Filter top cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I - Serology:					
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb., 2019	0/7	0/56
Mouse Norovirus (MNV)	3 months	ELISA	Feb., 2019	4/7	26/47
Mouse Parvovirus (MPV)	3 months	ELISA	Feb., 2019	0/7	0/56
Minute virus of mice (MVM)	3 months	ELISA	Feb., 2019	0/7	0/47
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Feb., 2019	0/7	0/56
Theiler's murine encephalomyelitis virus(TMEV)	3 months	ELISA	Feb., 2019	0/7	0/56
Mouse rotavirus (Epizootic diarrhea of infant mice) (EDIM)	3 months	ELISA	Feb., 2019	0/7	0/38
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov., 2018	0/7	0/33
Mouse adenovirus (Mad)	6 months	ELISA	Nov., 2018	0/7	0/33
Mouse Polyomavirus	6 months	ELISA	Nov., 2018	0/7	0/15
Hantavirus	Annually	ELISA	Jun., 2018	0/8	0/8
Ectromelia virus (Pox virus)	Annually	ELISA	Jun., 2018	0/8	0/8
Pneumonia virus of mice (PVM)	Annually	ELISA	Jun., 2018	0/8	0/8
Reovirus Type 3 (Reo-3)	Annually	ELISA	Jun., 2018	0/8	0/8
Sendai virus	Annually	ELISA	Jun., 2018	0/8	0/8
II - Microbiology:					
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov., 2018	0/7	0/11
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov., 2018	0/7	0/11
<i>Salmonella</i> spp.	6 months	Culture	Nov., 2018	0/7	0/11
<i>Staphylococcus aureus</i>	6 months	Culture	Nov., 2018	0/7	0/11
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov., 2018	0/7	0/11
<i>Helicobacter</i> spp.	6 months	PCR	Jun., 2018	1/8	1/8
III - Parasites:					
<i>Chilomastix</i> spp.	3 months	Visual	Feb., 2019	1/7	11/56
<i>Entamoeba</i> spp.	3 months	Visual	Feb., 2019	3/7	15/56
<i>Giardia</i> spp.	3 months	Visual	Feb., 2019	0/7	0/56
<i>Hexamastix</i> spp.	3 months	Visual	Feb., 2019	0/7	3/56
<i>Spironucleus</i> spp.	3 months	Visual	Feb., 2019	0/7	0/56
Trichomonads	3 months	Visual	Feb., 2019	0/7	6/56
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb., 2019	0/7	0/56
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb., 2019	0/7	0/56
<i>Syphacia</i> spp.	3 months	Visual	Feb., 2019	0/7	0/56
<i>Rodentolepis nana</i>	3 months	Visual	Feb., 2019	0/7	0/56
Ectoparasites	3 months	Visual	Feb., 2019	0/7	0/56

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center
Health Monitoring Report in 2019**

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

Date of Issue:**March.13, 2019**

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., 2019	0/1	0/7
Rat parvovirus	3 months	ELISA	Feb., 2019	0/1	0/7
Sialodacryoadenitis virus (SDAV)	3 months	ELISA	Feb., 2019	0/1	0/7
Theiler's murine encephalomyelitis virus (GD VII)	3 months	ELISA	Feb., 2019	0/1	0/7
Kilham's rat virus (KRV)	6 months	ELISA	Nov., 2018	0/1	0/3
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov., 2018	0/1	0/3
Hantavirus	Annually	ELISA	Jun., 2018	0/1	0/1
Pneumonia virus of mice (PVM)	Annually	ELISA	Jun., 2018	0/1	0/1
Sendai virus	Annually	ELISA	Jun., 2018	0/1	0/1
II - Microbiology:					
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov., 2018	0/1	0/3
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov., 2018	1/1	1/3
<i>Salmonella</i> spp.	6 months	Culture	Nov., 2018	0/1	0/3
<i>Staphylococcus aureus</i>	6 months	Culture	Feb., 2019	1/1	1/4
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov., 2018	0/1	0/3
<i>Helicobacter</i> spp.	6 months	PCR	Jun., 2018	0/1	0/1
III - Parasites:					
<i>Chilomastix</i> spp.	3 months	Visual	Feb., 2019	1/1	7/7
<i>Entamoeba</i> spp.	3 months	Visual	Feb., 2019	1/1	7/7
<i>Giardia</i> spp.	3 months	Visual	Feb., 2019	0/1	0/7
<i>Hexamastix</i> spp.	3 months	Visual	Feb., 2019	1/1	7/7
<i>Spiroplasma</i> spp.	3 months	Visual	Feb., 2019	0/1	0/7
Trichomonads	3 months	Visual	Feb., 2019	0/1	3/7
<i>Aspiculuris tetraptera</i>	3 months	Visual	Feb., 2019	0/1	0/7
<i>Hymenolepis diminuta</i>	3 months	Visual	Feb., 2019	0/1	0/7
<i>Syphacia</i> spp.	3 months	Visual	Feb., 2019	0/1	0/7
<i>Rodentolepis nana</i>	3 months	Visual	Feb., 2019	0/1	0/7
Ectoparasites	3 months	Visual	Feb., 2019	0/1	0/7

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

**National Health Research Institutes
Laboratory Animal Center- Tainan branch
Health Monitoring Report in 2019**

Location(Room#): **2B035 · 2B033**

Date of Issue: **Mar. 5, 2019**

Species: **Mouse**

Housing: **IVC cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I · Serology:					
Ectromelia virus (Pox virus)	Annually	ELISA	May 2018	0/5	0/5
Epizootic-diarrhea of infant-mouse (EDIM)	3 months	ELISA	Feb. 2019	0/8	0/33
Hantavirus	Annually	ELISA	May 2018	0/5	0/5
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2018	0/8	0/19
Minute virus of mice (MVM)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse adenovirus (MAV)	6 months	ELISA	Nov. 2018	0/8	0/19
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2019	1/8	1/39
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse polyomavirus (MuPyV)	6 months	ELISA	Nov. 2018	0/8	0/13
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Feb. 2019	0/8	0/39
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2018	0/5	0/5
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2018	0/5	0/5
Sendai virus	Annually	ELISA	May 2018	0/5	0/5
Theiler's murine encephalomyelitis virus (GD VII)	3 months	ELISA	Feb. 2019	0/8	0/39
II · Microbiology:					
<i>Bordetella bronchiseptica</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2018	0/6	0/16
<i>Pasteurella pneumotropica</i>	6 months	Culture	Nov. 2018	0/6	0/16
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2018	0/6	0/16
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2018	0/6	0/16
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2018	0/6	0/16
III · Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2019	0/8	0/37
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Ectoparasites	3 months	Visual	Feb. 2019	0/8	0/37
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Flagellates	3 months	Visual	Feb. 2019	0/8	0/37
<i>Giardia</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2019	0/8	0/37
<i>Spiroucleus</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Trichomonads	3 months	Visual	Feb. 2019	0/8	0/37

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____

National Health Research Institutes
Laboratory Animal Center- Tainan branch
Health Monitoring Report in 2019

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

Date of Issue: **Mar. 5, 2019**

Species: **Immunodeficient Mouse**

Housing: **IVC cages**

Items	Test frequency	Test Method	Latest test date	Latest results	Historical results (<18 months)
I · Serology:					
Ectromelia virus (Pox virus)	Annually	ELISA	May 2018	0/5	0/5
Epizootic-diarrhea of infant-mouse (EDIM)	3 months	ELISA	Feb. 2019	0/8	0/33
Hantavirus	Annually	ELISA	May 2018	0/5	0/5
Lymphocytic choriomeningitis virus (LCMV)	6 months	ELISA	Nov. 2018	0/8	0/19
Minute virus of mice (MVM)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse adenovirus (MAV)	6 months	ELISA	Nov. 2018	0/8	0/19
Mouse hepatitis virus (MHV)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse norovirus (MNV)	3 months	ELISA	Feb. 2019	1/8	1/39
Mouse parvovirus (MPV)	3 months	ELISA	Feb. 2019	0/8	0/39
Mouse polyomavirus (MuPyV)	6 months	ELISA	Nov. 2018	0/8	0/13
<i>Mycoplasma pulmonis</i> (<i>M. pul</i>)	3 months	ELISA	Feb. 2019	0/8	0/39
Pneumonia virus of mice (PVM)	Annually	ELISA	May 2018	0/5	0/5
Reovirus Type 3 (Reo-3)	Annually	ELISA	May 2018	0/5	0/5
Sendai virus	Annually	ELISA	May 2018	0/5	0/5
Theiler's murine encephalomyelitis virus (GD VII)	3 months	ELISA	Feb. 2019	0/8	0/39
II · Microbiology:					
<i>Bordetella bronchiseptica</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Citrobacter rodentium</i>	6 months	Culture	Nov. 2018	0/4	0/12
<i>Clostridium piliforme</i>	6 months	PCR	Nov. 2018	0/1	0/3
<i>Corynebacterium kutscheri</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Helicobacter</i> spp.	6 months	PCR	May 2018	1/5	1/5
<i>Klebsiella pneumoniae</i>	6 months	Culture	Nov. 2018	0/6	0/16
<i>Mycoplasma</i> spp.	6 months	PCR	Nov. 2018	0/1	0/3
<i>Pneumocystis murina</i>	6 months	PCR	Nov. 2018	0/1	0/3
<i>Pseudomonas aeruginosa</i>	6 months	Culture	Nov. 2018	0/1	0/3
<i>Salmonella</i> spp.	6 months	Culture	Nov. 2018	0/6	0/16
<i>Staphylococcus aureus</i>	6 months	Culture	Nov. 2018	0/6	0/16
<i>Streptococcus pneumoniae</i>	6 months	Culture	Nov. 2018	0/6	0/16
III · Parasites:					
<i>Aspicularis tetraptera</i>	3 months	Visual	Feb. 2019	0/8	0/37
<i>Chilomastix</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Ectoparasites	3 months	Visual	Feb. 2019	0/8	0/37
<i>Entamoeba</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Flagellates	3 months	Visual	Feb. 2019	0/8	0/37
<i>Giardia</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Hexamastix</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Rodentolepis nana</i>	3 months	Visual	Feb. 2019	0/8	0/37
<i>Spironucleus</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
<i>Syphacia</i> spp.	3 months	Visual	Feb. 2019	0/8	0/37
Trichomonads	3 months	Visual	Feb. 2019	0/8	0/37

Data are expressed as number positive/number tested.

Signature of Veterinarian: _____