



MMRRC Production Facility  
Area: UCD-M3-1  
Rodent Health Surveillance

**Date:** June 30, 2019  
Summary **MMRRC Basic Profile**  
Data added Jun 2019  
Current positive results in **BOLD**

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 1 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email mmrrc@ucdavis.edu with questions about this report or animal health related issues.

Kristin N. Grimsrud, D.V.M., Ph.D.  
Associate Director of Vivaria and Veterinary Care, Mouse Biology Program  
University of California, Davis

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sept'18	Jun'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
K virus	Serum	ELISA	0/4	0/2	0/4	0/6	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/4	0/6	0/4	0/6	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/4	0/2	0/4	0/6	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/4	0/6	0/4	0/6	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
	Feces	PCR	0/4	0/6	0/6	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/8	0/6	0/8	0/6	0/6
	Mes LN	PCR	0/8	0/6	0/8	0/6	0/6
Mouse kidney parvovirus (MKPV)	Kidneys	PCR	0/4	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/4	0/6	0/4	0/6	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Polyoma virus	Serum	ELISA	0/4	0/2	0/4	0/6	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/6	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/2
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/4	0/6	0/4	0/6	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/12	0/8	0/12	0/8	0/6
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/12	0/8	0/12	0/8	0/6
<i>Staphylococcus aureus</i>	Trachea	Culture	0/12	0/8	0/12	0/8	0/6
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Beta-hemolytic Streptococcus</i> ( <i>S. pyogenes</i> , <i>S. agalactiae</i> ) <i>Streptococcus pneumoniae</i>	Trachea	Culture	0/12	0/8	0/12	0/8	0/6
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/8	0/6	0/8	0/6	0/6



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Area: UCD-M3-1  
Rodent Health Surveillance

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Current positive results in **BOLD**

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sept'18	Jun'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/12	0/8	0/12	0/8	0/6
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/8	0/6	0/8	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine /Feces	PCR	0/12	0/8	0/12	0/8	0/6
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro PCR	0/12 0/4	0/8 0/8	0/12 0/4	0/8	0/6
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/12	0/8	0/12	0/8	0/6
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/12	0/8	0/12	0/8	0/6
Roundworms and other helminths	Intestine	Visual	0/12	0/8	0/12	0/8	0/6
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/12	0/8	0/12	0/8	0/6
Trichomonads	Intestine	Micro	0/12	0/8	0/12	0/8	0/6
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/12	0/8	0/12	0/8	0/6
<b>SPOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/4	0/6	0/4	0/6	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/8	0/4	0/8	0/4	0/2

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 facility.

\*\*This test is done only in rooms where severely immunodeficient mice are housed.



MMRRC Production Facility  
Area: UCD-M3-2  
Rodent Health Surveillance

**Date:** June 30, 2019  
Summary **MMRRC Basic Profile**  
Data added Jun 2019  
Current positive results in **BOLD**

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 2 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email mmrrc@ucdavis.edu with questions about this report or animal health related issues.

Kristin N. Grimsrud, D.V.M., Ph.D.  
Associate Director of Vivaria and Veterinary Care, Mouse Biology Program  
University of California, Davis

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
K virus	Serum	ELISA	0/4	0/2	0/4	0/8	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/4	0/6	0/4	0/8	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/4	0/2	0/4	0/8	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/8	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/8	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/4	0/6	0/4	0/8	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
	Feces	PCR	0/4	0/2	0/4	0/4	0/4
Mouse parvovirus (MPV)	Serum	ELISA	0/8	0/6	0/8	0/8	0/4
	Mes LN	PCR	0/8	0/6	0/8	0/8	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	-	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/4	0/6	0/4	0/8	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
Polyoma virus	Serum	ELISA	0/4	0/2	0/4	0/8	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/4	0/6	0/4	0/8	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
Sendai virus	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/2
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/4	0/6	0/4	0/8	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/10	0/8	0/12	0/12	0/10
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/10	0/8	0/12	0/12	0/10
<i>Staphylococcus aureus</i>	Trachea	Culture	0/10	0/8	0/12	0/12	0/10
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Beta-hemolytic Streptococcus (S. pyogenes, S. agalactiae)</i> <i>Streptococcus pneumoniae</i>	Trachea	Culture	0/10	0/8	0/12	0/12	0/10
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/8	0/6	0/8	0/8	0/4



MMRRC Production Facility  
Area: UCD-M3-2  
Rodent Health Surveillance

**Date:** June 30, 2019  
Summary **MMRRC Basic Profile**  
Data added Jun 2019  
Current positive results in **BOLD**

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/10	0/8	0/12	0/12	0/10
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/8	0/6	0/8	0/8	0/4
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine /Feces	PCR	0/10	0/8	0/12	0/12	0/10
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro PCR	0/10 0/4	0/8	0/12 0/4	0/12	0/10
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/10	0/8	0/12	0/12	0/10
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/10	0/8	0/12	0/12	0/10
Roundworms and other helminths	Intestine	Visual	0/10	0/8	0/12	0/12	0/10
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/10	0/8	0/12	0/12	0/10
Trichomonads	Intestine	Micro	0/10	0/8	0/12	0/12	0/10
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/10	0/8	0/12	0/12	0/10
<b>SPOOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/4	0/6	0/4	0/8	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/6	0/4	0/8	0/8	0/8

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 facility.

\*\*This test is done only in rooms where severely immunodeficient mice are housed.

# PRODUCTION FACILITY

## AREA: M3-3

### ANIMAL HEALTH REPORT

**Date: 06/30/19**  
**Result Summary**  
 Data added Jun 2019  
 Current positive results are in **bold**.  
 See data below.

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 3 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MBP at 530-757-3333 or email [mbp@ucdavis.edu](mailto:mbp@ucdavis.edu) with questions about this report or animal health related issues.



Denise M. Imai-Leonard, DVM, PhD, DACVP  
 Director, Comparative Pathology Laboratory  
 University of California, Davis

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
K virus	Serum	ELISA	0/2	0/2	0/2	0/6	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/2	0/2	0/2	0/6	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
	Feces	PCR	0/2	0/2	0/2	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
	Mes LN	PCR	0/6	0/6	0/6	0/6	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	0/4	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/2	0/6	0/2	0/6	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/2	0/2	0/2	0/6	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/6	0/6	0/2	0/6	0/2
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6

**PRODUCTION FACILITY**  
**AREA: M3-3**  
**ANIMAL HEALTH REPORT**

**Date: 06/30/19**  
**Result Summary**  
Data added Jun 2019  
Current positive results are in **bold**.  
See data below.

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/8	0/8	0/8	0/6	0/8
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/ Feces	PCR	0/8	0/8	0/8	0/8	0/8
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro PCR	0/8 0/4	0/8	0/8 0/4	0/8	0/8
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/8	0/8	0/8	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/8	0/8	0/8	0/8	0/8
Roundworms and other helminths	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Trichomonads	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
<b>SPOOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/4	0/4	0/4	0/4

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 importation facility (Room 1 and 11).

\*\*This test is done only in rooms where severely immunodeficient mice are housed.



MMRRC Production Facility  
Area: UCD-M3-6  
Rodent Health Surveillance

**Date:** June 30, 2019  
Summary **MMRRC Basic Profile**  
Data added Jun 2019  
Current positive results in **BOLD**

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 6 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email mmrrc@ucdavis.edu with questions about this report or animal health related issues.

Kristin N. Grimsrud, D.V.M., Ph.D.  
Associate Director of Vivaria and Veterinary Care, Mouse Biology Program  
University of California, Davis

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
K virus	Serum	ELISA	0/2	0/8	0/2	0/2	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/2	0/8	0/2	0/6	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/2	0/8	0/2	0/2	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/2	0/8	0/2	0/6	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/2	0/8	0/2	0/6	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/2	0/8	0/2	0/6	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
	Feces	PCR	0/2	0/4	0/2	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/6	0/8	0/6	0/6	0/6
	Mes LN	PCR	0/6	0/8	0/6	0/6	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	0/4	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/2	0/8	0/2	0/6	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/2	0/8	0/2	0/2	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/2	0/8	0/2	0/6	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/2	0/8	0/2	0/6	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/8	0/12	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/8	0/12	0/8	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/8	0/12	0/8	0/8	0/8
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Beta-hemolytic Streptococcus (S. pyogenes, S. agalactiae)</i> <i>Streptococcus pneumoniae</i>	Trachea	Culture	0/8	0/12	0/8	0/8	0/8
<i>Mycoplasma arthritis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/6	0/8	0/6	0/6	0/6

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/8	0/12	0/8	0/8	0/8
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/6	0/8	0/6	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine /Feces	PCR	0/8	0/12	0/8	0/8	0/8
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro	0/8	0/12	0/8	0/8	0/8
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/8	0/12	0/8	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/8	0/12	0/8	0/8	0/8
Roundworms and other helminths	Intestine	Visual	0/8	0/12	0/8	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/8	0/12	0/8	0/8	0/8
Trichomonads	Intestine	Micro	0/8	0/12	0/8	0/8	0/8
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/8	0/12	0/8	0/8	0/8
<b>SPOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/2	0/8	0/2	0/6	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/8	0/4	0/4	0/4

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 facility.

\*\*This test is done only in rooms where severely immunodeficient mice are housed.





MMRRC Production Facility  
Area: UCD-M3-13  
Rodent Health Surveillance

**Date:** Jun 30, 2019  
Summary **MMRRC Basic Profile**  
Data added May 2019  
Current positive results in **BOLD**

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 13 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MMRRC at 530-754-6677 or email mmrrc@ucdavis.edu with questions about this report or animal health related issues.

Kristin N. Grimsrud, D.V.M., Ph.D.  
Associate Director of Vivaria and Veterinary Care, Mouse Biology Program  
University of California, Davis

Organism	Sample	Test Method	Jun'19	Apr'19	Jan'19	Dec'18	Jul'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
K virus	Serum	ELISA	0/2	0/2	0/6	0/6	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/2	0/2	0/6	0/6	0/6
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/2	0/2	0/6	0/6	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/2	0/2	0/6	0/6	0/6
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/2	0/2	0/6	0/6	0/6
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/2	0/2	0/6	0/6	0/6
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
	Feces	PCR	0/2	0/2	0/2	0/4	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/2	0/6	0/6	0/6	0/6
	Mes LN	PCR	0/2	0/6	0/8	0/8	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	-	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/2	0/2	0/6	0/6	0/6
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/2	0/2	0/6	0/6	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/2	0/2	0/6	0/6	0/6
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/2	0/2	0/6	0/6	0/6
<i>Klebsiella</i> species	Trachea	Culture	0/4	0/8	0/8	0/10	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/4	0/8	0/8	0/10	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/4	0/8	0/8	0/10	0/8
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Beta-hemolytic Streptococcus (S. pyogenes, S. agalactiae)</i> <i>Streptococcus pneumoniae</i>	Trachea	Culture	0/4	0/8	0/8	0/10	0/8
<i>Mycoplasma arthritis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/2	0/6	0/6	0/6	0/6

Organism	Sample	Test Method	Jun'19	Apr'19	Jan'19	Dec'18	Jul'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/4	0/8	0/8	0/10	0/8
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/2	0/6	0/6	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine /Feces	PCR	0/4	0/8	0/8	0/10	0/8
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro	0/4	0/8	0/8	0/10	0/8
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/4	0/8	0/8	0/10	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/4	0/8	0/8	0/10	0/8
Roundworms and other helminths	Intestine	Visual	0/4	0/8	0/8	0/10	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/4	0/8	0/8	0/10	0/8
Trichomonads	Intestine	Micro	0/4	0/8	0/8	0/10	0/8
Other intestinal protozoa, including: <i>Spironucleus muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/4	0/8	0/8	0/10	0/8
<b>SPOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/2	0/2	0/6	0/6	0/6
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/4	0/4	0/8	0/4

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 facility.

\*\*This test is done only in rooms where severely immunodeficient mice are housed.

**PRODUCTION FACILITY**  
**AREA: M3-15**  
**ANIMAL HEALTH REPORT**

**Date: 06/30/19**  
**Result Summary**  
Data added April 2019  
Current positive results are in **bold**.  
See data below.

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 15 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MBP at 530-757-3333 or email [mbp@ucdavis.edu](mailto:mbp@ucdavis.edu) with questions about this report or animal health related issues.



Kristin N. Grimsrud, D.V.M., Ph.D.  
Associate Director of Vivaria and Veterinary Care, Mouse  
Biology Program  
University of California, Davis

Organism	Sample	Test Method	Apr'19	Jan'19	Oct'18	Jul'18	Apr'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
K virus	Serum	ELISA	0/2	0/2	0/2	0/6	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/2	0/2	0/2	0/6	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
	Feces	PCR	0/2	0/2	0/2	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
	Mes LN	PCR	0/6	0/6	0/6	0/6	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	0/4	-	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/2	0/6	0/2	0/6	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/2	0/2	0/2	0/6	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/6	0/6	0/2	0/6	0/2
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6

**PRODUCTION FACILITY**  
**AREA: M3-15**  
**ANIMAL HEALTH REPORT**

**Date: 06/30/19**  
**Result Summary**  
Data added April 2019  
Current positive results are in **bold**.  
See data below.

Organism	Sample	Test Method	Apr'19	Jan'19	Oct'18	Jul'18	Apr'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/8	0/8	0/8	0/8	0/8
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/ Feces	PCR	0/8	0/8	0/8	0/8	0/8
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro PCR	0/8	0/8	0/8	0/8	0/8
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/8	0/8	0/8	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/8	0/8	0/8	0/8	0/8
Roundworms and other helminths	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Trichomonads	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
<b>SPOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/4	0/4	0/4	0/4

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 importation facility (Room 1 and 11).

\*\*This test is done only in rooms where severely immunodeficient mice are housed.

**PRODUCTION FACILITY**  
**AREA: M3-16**  
**ANIMAL HEALTH REPORT**

**Date: 06/30/19**  
**Result Summary**  
Data added Jun 2019  
Current positive results are in **bold**.  
See data below.

This report summarizes the results of tests performed on dirty bedding sentinels, retired breeders and young colony mice from barrier-maintained production area M3 Room 16 at UC Davis, CA. Data are reported as positive tests / total tests performed. Please contact the MBP at 530-757-3333 or email [mbp@ucdavis.edu](mailto:mbp@ucdavis.edu) with questions about this report or animal health related issues.



Denise M. Imai-Leonard, DVM, PhD, DACVP  
Director, Comparative Pathology Laboratory  
University of California, Davis

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Sep'18	Jun'18
<b>VIRUSES</b>							
Ectromelia virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
GDVII (Theiler's) virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
K virus	Serum	ELISA	0/2	0/6	0/2	0/2	0/2
Korean hemorrhagic fever (Hantaan)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Lactic dehydrogenase elevating virus	Serum	Enzyme	0/2	0/6	0/2	0/2	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Minute virus of mice (MVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Mouse adenovirus of mice (MadV)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Mouse cytomegalovirus (MCMV)	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
	Feces	PCR	0/2	0/2	0/2	0/2	0/2
Mouse parvovirus (MPV)	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
	Mes LN	PCR	0/6	0/6	0/6	0/6	0/6
Mouse kidney parvovirus (MKPV)	Kidney	PCR	0/4	0/4	-	-	-
Mouse thymic virus (MTV)	Serum	IFA	0/2	0/6	0/2	0/6	0/2
Pneumonia virus of mice (PVM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Polyoma virus	Serum	ELISA	0/2	0/6	0/2	0/2	0/2
Reovirus 3 (REO 3)	Serum	MFI/ ELISA	0/2	0/6	0/2	0/6	0/2
Rotavirus (EDIM)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Sendai virus	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6
Murine norovirus (MNV)	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/2
<b>BACTERIA &amp; MYCOPLASMA</b>							
CAR bacillus	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Klebsiella</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Pasteurella pneumotropica</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Staphylococcus aureus</i>	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus</i> species	Trachea	Culture	0/8	0/8	0/8	0/8	0/8
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	MFI/ ELISA	0/6	0/6	0/6	0/6	0/6

**PRODUCTION FACILITY**  
**AREA: M3-16**  
**ANIMAL HEALTH REPORT**

**Date: 06/30/19**  
**Result Summary**  
Data added Jun 2019  
Current positive results are in **bold**.  
See data below.

Organism	Sample	Test Method	Jun'19	Mar'19	Dec'18	Jun'18	Jun'18
<b>BACTERIA &amp; MYCOPLASMA</b>							
<b>Continued</b>							
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/8	0/8	0/6	0/6	0/8
Fecal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Feces	Culture	-	-	-	-	-
<i>Clostridium (Bacillus) piliforme</i>	Serum	ELISA	0/6	0/6	0/6	0/6	0/6
<i>Helicobacter</i> species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/ Feces	PCR	0/8	0/8	0/8	0/8	0/8
<b>PARASITES &amp; PROTOZOA</b>							
Fleas, fur mites, lice	Fur	Micro PCR	0/8 0/4	0/8	0/8 0/4	0/8	0/8
Follicle mites ( <i>Psorergates simplex</i> )	Subcutis	Visual	0/8	0/8	0/8	0/8	0/8
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/8	0/8	0/8	0/8	0/8
Roundworms and other helminths	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/8	0/8	0/8	0/8	0/8
Trichomonads	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i> Amoebae	Intestine	Micro	0/8	0/8	0/8	0/8	0/8
<b>SPOROZOA &amp; FUNGI</b>							
<i>Encephalitozoon cuniculi</i>	Serum	ELISA	0/2	0/6	0/2	0/6	0/2
<i>Pneumocystis murina</i> **	Lung	PCR	0/4	0/4	0/4	0/4	0/4

The M3 area is an 18 room, barrier-maintained production building located on the campus of the University of California, Davis. Colonies of mice have been established by embryo transfer derivation into the M3 importation facility (Room 1 and 11).

\*\*This test is done only in rooms where severely immunodeficient mice are housed.