

This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room 109 at UC Davis, CA. Note data are reported as positive tests / total tests performed. Please contact the Mouse Biology Program at 530-757-3333 or email mbp@ucdavis.edu with questions about this report or animal health related issues.



Kristin N. Grimsrud, D.V.M., Ph.D.
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Program
University of California, Davis

Organism	Sample	Test Method	Sept' 19	Dec '19	Mar '20	Jun '20	Sep '20	Current as of 12/03/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/20 0/40	0/29 0/56	0/20 0/40	0/20 0/39	0/24 0/48	0/14 0/28
Pneumonia virus of mice (PVM)	Serum	ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Reovirus 3 (REO 3)	Serum	ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Rotavirus (EDIM)	Serum	ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Sendai virus	Serum	ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Murine norovirus (MNV)	Serum	ELISA	0/20	0/29	0/20	0/20	0/24	0/14
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/20	0/29	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Naopharynx	Culture	0/20	0/29	0/21	0/20	0/24	0/14
<i>Pasteurella pneumotropica</i>	Naopharynx	Culture	0/20	0/29	0/21	0/20	0/24	0/14
<i>Staphylococcus aureus</i>	Naopharynx	Culture	0/20	0/29	0/21	0/20	0/24	0/14
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Naopharynx	Culture	0/20	0/29	0/21	0/20	0/24	0/14
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/20	0/29	0/21	0/20	0/24	0/14
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/20	0/29	6/21 (<i>P. aeruginosa</i>)	0/20	1/24 (<i>P. putida</i>)	1/14 (<i>P. putida</i>)

Organism	Sample	Test Method	Sept' 19	Dec '19	Mar '20	Jun '20	Sep '20	Current as of 12/03/20
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/39	0/56	0/40	0/39	0/48	0/28
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/20	0/29	0/21	0/20	0/24	0/14
Fur Mites	Fur/ bedding	PCR	0/4	0/18	0/6	0/12	0/16	0/6
Follicle mites <i>(Psorergates simplex)</i>	Subcutis	Visual	0/20	0/29	0/21	0/20	0/24	0/14
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/20	0/29	0/21	0/20	0/24	0/14
Roundworms and other helminths	Intestine	Visual	0/20	0/29	0/21	0/20	0/24	0/14
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/20	0/29	0/21	0/20	0/24	0/14
Trichomonads	Intestine	Micro	0/20	0/29	0/21	0/20	0/24	0/14
Other intestinal protozoa, including: <i>Spirotrunculus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/20	0/29	0/21	0/20	0/24	0/14

¹LN = Lymph Node

²NT = Not Tested. Fur mite PCR screening is performed on a semi-annual basis.

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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 12/23/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/10	0/12	0/14	0/14	0/14	0/17
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Mouse hepatitis virus (MHV)	Serum/ Feces	MFI/ELISA PCR	0/10 0/19	0/12 0/24	0/14 0/28	0/14 0/27	0/14 0/28	0/17 0/35
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/10 0/19	0/12 0/24	0/14 0/28	0/14 0/27	0/14 0/28	0/17 0/35
Pneumonia virus of mice (PVM)	Serum	ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Reovirus 3 (REO 3)	Serum	ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Rotavirus (EDIM)	Serum	ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Sendai virus	Serum	ELISA	0/10	0/12	0/14	0/14	0/14	0/17
Murine norovirus (MNV)	Serum	ELISA	0/10	0/12	0/14	0/14	0/14	0/17
LDHV	Serum		0/10	0/12	0/14	0/14	0/14	0/17
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/11	0/12	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/11	1/12 <small>(1/12 <i>K. pneumoniae</i>)</small>	0/14	0/14	0/14	0/18
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/11	0/12	0/14	0/14	0/14	0/18
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/11	0/12	0/14	0/14	0/14	0/18
<i>Pneumocystis murina</i>	Lung	PCR	0/11	0/12	0/14	0/14	0/14	0/18
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/11	0/12	0/14	0/14	0/14	0/18
<i>Mycoplasma arthritis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/11	0/12	0/14	0/14	0/14	0/18

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 12/23/20
BACTERIA & MYCOPLASMA								
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	3/11 (1/11 <i>P. putida</i> , 2/11 <i>K. pneumoniae</i>)	2/12 (2/12 <i>K. pneumoniae</i>)	4/14 (1/14 <i>P. putida</i> , 2/14 <i>P. aeruginosa</i>)	0/14	2/14 (2/12 <i>P. aeruginosa</i>)	2/18 (2/2 <i>P. aeruginosa</i>)
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/18	0/24	0/28	0/27	0/28	0/35
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/10	0/12	0/14	0/14	0/14	0/18
Fur mites	Fur/ bedding	PCR	0/2	0/10	0/4	0/10	0/12	0/4
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/10	0/12	0/14	0/14	0/14	0/18
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/10	0/12	0/14	0/14	0/14	0/18
Roundworms and other helminths	Intestine	Visual	0/10	0/12	0/14	0/14	0/14	0/18
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/10	0/12	0/14	0/14	0/14	0/18
Trichomonads	Intestine	Micro	0/10	0/12	0/14	0/14	0/14	0/18
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i>	Intestine	Micro	0/10	0/12	0/14	0/14	0/14	0/18

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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Mouse hepatitis virus (MHV)	Serum/ Feces	MFI/ELISA PCR	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4	0/2 0/4
Pneumonia virus of mice (PVM)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Reovirus 3 (REO 3)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Rotavirus (EDIM)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Sendai virus	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Murine norovirus (MNV)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
LDHV	Serum		0/2	0/2	0/2	0/2	0/2	0/2
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/2	0/2	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Pneumocystis murina</i>	Lung	PCR	0/2	0/2	0/2	0/2	0/2	0/2
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
BACTERIA & MYCOPLASMA								
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/2	0/2	0/2	0/2	0/2	0/2
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/4	0/4	0/4	0/4	0/4	0/4
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/2	0/2	0/2	0/2	0/2	0/2
Fur mites	Fur/ bedding	PCR	NT ²	0/2	NT ²	0/2	0/2	0/2
Follicle mites <i>(Psorergates simplex)</i>	Subcutis	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Roundworms and other helminths	Intestine	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Trichomonads	Intestine	Micro	0/2	0/2	0/2	0/2	0/2	0/2
Other intestinal protozoa, including: <i>Spirotrichomonas muris</i> <i>Giardia muris</i>	Intestine	Micro	0/2	0/2	0/2	0/2	0/2	0/2

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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 12/07/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/34 0/67	0/32 0/64	0/28 0/56	0/31 0/63	0/26 0/52	0/22 0/44
Pneumonia virus of mice (PVM)	Serum	ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Reovirus 3 (REO 3)	Serum	ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Rotavirus (EDIM)	Serum	ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Sendai virus	Serum	ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Murine norovirus (MNV)	Serum	ELISA	0/34	0/32	0/28	0/31	0/26	0/22
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/34	0/32	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/34	0/32	0/29	0/31	0/26	0/22
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/34	0/32	0/29	0/31	0/26	0/22
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/34	0/32	0/29	0/31	0/26	0/22
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus β hemolytic</i>	Nasopharynx	Culture	0/34	0/32	0/29	0/31	0/26	0/22
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/34	0/32	0/29	0/31	0/26	0/22
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/34	2/32 (<i>P. stutzeri</i>)	2/29 (<i>P. aeruginosa</i>)	2/31 (<i>P. aeruginosa</i>)	0/26	0/22

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BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/67	0/64	0/56	0/63	0/52	0/44
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/34	0/32	0/29	0/31	0/26	0/22
Fur mites	Fur/ bedding	PCR	0/24	0/26	0/16	0/18	0/10	0/14
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/34	0/32	0/29	0/31	0/26	0/22
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/34	0/32	0/29	0/31	0/26	0/22
Roundworms and other helminths	Intestine	Visual	0/34	0/32	0/29	0/31	0/26	0/22
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/34	0/32	0/29	0/31	0/26	0/22
Trichomonads	Intestine	Micro	0/34	0/32	0/29	0/31	0/26	2/22
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i> <i>Entamoeba muris</i>	Intestine	Micro	0/34	0/32	0/29	0/31	0/26	2/22 (<i>Entamoeba muris</i>)

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VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/30 0/59	0/33 0/63	0/38 0/73	0/28 0/56	0/30 0/59	0/24 0/47
Pneumonia virus of mice (PVM)	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Reovirus 3 (REO 3)	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Rotavirus (EDIM)	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Sendai virus	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Murine norovirus (MNV)	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/37	0/33	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/30	0/33	0/38	0/28	0/30	0/24
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/30	0/33	0/38	0/28	0/30	0/24
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/30	0/33	0/38	0/28	0/30	0/24
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/30	0/33	0/38	0/28	0/30	0/24
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/30	0/33	0/38	0/28	0/30	0/24
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	2/30 (<i>P. putida</i>)	0/33	4/38 (<i>P. putida</i> , <i>P. aeruginosa</i>)	1/28 (<i>P. alcaligenes</i>)	2/30 (<i>K. pneumoniae</i>)	2/24 (<i>P. aeruginosa</i>)

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current as of 12/10/20
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/42	0/64	0/73	0/56	0/59	0/47
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/31	0/33	0/38	0/28	0/30	0/24
Fur Mites	Fur/ Bedding	PCR	0/22	0/10	0/22	0/18	0/12	0/12
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/31	0/33	0/38	0/28	0/30	0/24
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/31	0/33	0/38	0/28	0/30	0/24
Roundworms and other helminths	Intestine	Visual	0/31	0/33	0/38	0/28	0/30	0/24
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/31	0/33	0/38	0/28	0/30	0/24
Trichomonads	Intestine	Micro	0/31	0/33	0/38	0/28	0/30	0/24
Other intestinal protozoa, including: <i>Spironucleus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/31	0/33	0/38	0/28	0/30	0/24

¹LN = Lymph Node

²NT = Not Tested. Fur mice PCR screening is performed on a semi-annual basis.

³NT = Not Tested. Mouse Kidney Parvo Virus (MKPV) screening was performed quarterly in 2019 per campus directive.

The MBP 2nd Street Facility area is a 7-room, conventional production building located at the University of California, Davis.

This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room 114 at UC Davis, CA. Note data are reported as positive tests / total tests performed. Please contact the Mouse Biology Program at 530-757-3333 or email mbp@ucdavis.edu with questions about this report or animal health related issues.



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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	June '20	Sep '20	Current through 10/30/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/6	0/6	0/6	0/6	0/7	0/6
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Mouse adenovirus of mice (MAV 1&2)	Serum	MFI/ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Mouse hepatitis virus (MHV)	Serum/ Feces	MFI/ELISA PCR	0/6 0/12	0/6 0/12	0/6 0/12	0/6 0/12	0/7 0/13	0/6 0/11
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/6 0/12	0/6 0/12	0/6 0/12	0/6 0/12	0/7 0/13	0/6 0/11
Pneumonia virus of mice (PVM)	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Reovirus 3 (REO 3)	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Rotavirus (EDIM)	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Sendai virus	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Murine norovirus (MNV)	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/6	0/6	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/6	0/6	0/6	0/6	0/7	0/6
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/6	0/6	0/6	0/6	0/7	0/6
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/6	0/6	0/6	0/6	0/7	0/6
<i>Pneumocystis murina</i>	Lung	PCR	0/6	0/6	0/6	0/6	0/7	0/6
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/6	0/6	0/6	0/6	0/7	0/6
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/6	0/6	0/6	0/6	0/7	0/6

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	June '20	Sep '20	Current through 10/30/20
BACTERIA & MYCOPLASMA								
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/6	0/6	0/6	0/6	0/7	0/6
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/12	0/12	0/12	0/12	0/13	0/11
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/6	0/6	0/6	0/6	0/7	0/6
Fur mites	Fur/ bedding	PCR	NT ²	0/6	NT ²	0/6	0/4	NT ²
Follicle mites <i>(Psorergates simplex)</i>	Subcutis	Visual	0/6	0/6	0/6	0/6	0/7	0/6
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/6	0/6	0/6	0/6	0/7	0/6
Roundworms and other helminths	Intestine	Visual	0/6	0/6	0/6	0/6	0/7	0/6
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/6	0/6	0/6	0/6	0/7	0/6
Trichomonads	Intestine	Micro	0/6	0/6	0/6	0/6	0/7	0/6
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/6	0/6	0/6	0/6	0/7	0/6

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³NT = Not Tested. Mouse Kidney Parvo Virus (MKPV) screening was performed quarterly in 2019 per campus directive.

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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/16 0/32	0/16 0/33	0/16 0/31	0/15 0/31	0/14 0/28	0/12 0/24
Pneumonia virus of mice (PVM)	Serum	ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Reovirus 3 (REO 3)	Serum	ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Rotavirus (EDIM)	Serum	ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Sendai virus	Serum	ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Murine norovirus (MNV)	Serum	ELISA	0/16	0/16	0/16	0/15	0/14	0/12
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/16	0/17	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/16	0/16	0/16	0/16	0/14	0/12
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/16	0/16	0/16	0/16	0/14	0/12
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/16	0/16	0/16	0/16	0/14	0/12
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus β hemolytic</i>	Nasopharynx	Culture	0/16	0/16	0/16	0/16	0/14	0/12
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/16	0/16	0/16	0/16	0/14	0/12
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/16	0/16	0/16	0/16	0/14	0/12

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/32	0/32	0/31	0/31	0/28	0/24
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/16	0/17	0/16	0/16	0/14	0/12
Fur mites	Fur/ bedding	PCR	0/4	0/12	0/4	0/11	0/14	NT ²
Follicle mites (<i>Psorergates simplex</i>)	Subcutis	Visual	0/16	0/17	0/16	0/16	0/14	0/12
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/16	0/17	0/16	0/16	0/14	0/12
Roundworms and other helminths	Intestine	Visual	0/16	0/17	0/16	0/16	0/14	0/12
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/16	0/17	0/16	0/16	0/14	0/12
Trichomonads	Intestine	Micro	0/16	0/17	0/16	0/16	0/14	0/12
Other intestinal protozoa, including: <i>Spiroplasma muris</i> <i>Giardia muris</i>	Intestine	Micro	0/16	0/17	0/16	0/16	0/14	0/12

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³NT = Not Tested. Mouse Kidney Parvo Virus (MKPV) screening was performed quarterly in 2019 per campus directive.

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This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room 116 at UC Davis, CA. Note data are reported as positive tests / total tests performed. Please contact the Mouse Biology Program at 530-757-3333 or email mbp@ucdavis.edu with questions about this report or animal health related issues.



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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 12/10/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/14 0/28	0/14 0/28	0/12 0/24	0/14 0/27	0/16 0/31	0/12 0/23
Pneumonia virus of mice (PVM)	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Reovirus 3 (REO 3)	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Rotavirus (EDIM)	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Sendai virus	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Murine norovirus (MNV)	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Mouse Kidney Parvo Virus (MKPV)	Kidney	PCR	0/14	0/14	NT ³	NT ³	NT ³	NT ³
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/14	0/14	0/12	0/14	0/16	0/12
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/14	0/14	0/12	0/14	0/16	0/12
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/14	0/14	0/12	0/14	0/16	0/12
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/14	0/14	0/12	0/14	0/16	0/12
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/14	0/14	0/12	0/14	0/16	0/12
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/14	0/14	1/12 (<i>P. aeruginosa</i>)	0/14	0/16	0/12

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 12/10/20
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/28	0/28	0/24	0/27	0/31	0/23
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/14	0/14	0/12	0/14	0/16	0/12
Fur mites	Fur/ Bedding	PCR	NT ²	0/14	NT ²	0/14	0/8	0/4
Follicle mites <i>(Psorergates simplex)</i>	Subcutis	Visual	0/14	0/14	0/12	0/14	0/16	0/12
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/14	0/14	0/12	0/14	0/16	0/12
Roundworms and other helminths	Intestine	Visual	0/14	0/14	0/12	0/14	0/16	0/12
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/14	0/14	0/12	0/14	0/16	0/12
Trichomonads	Intestine	Micro	0/14	0/14	0/12	0/14	0/16	0/12
Other intestinal protozoa, including: <i>Spiroucleus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/14	0/14	0/12	0/14	0/16	0/12

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³NT = Not Tested. Mouse Kidney Parvo Virus (MKPV) screening was performed quarterly in 2019 per campus directive.

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This report summarizes the cumulative results of tests performed on dirty bedding sentinels from MBP Room L9 at UC Davis, CA. Room L9 was opened for use July 2017 and began housing animals August 2017. Note data are reported as positive tests / total tests performed. Please contact the Mouse Biology Program at 530-757-3333 or email mbp@ucdavis.edu with questions about this report or animal health related issues.



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Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
VIRUSES								
Ectromelia virus	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
GDVII (Theiler's) virus	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Lymphocytic choriomeningitis (LCMV)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Minute virus of mice (MVM)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Mouse adenovirus of mice (MAV 1 & 2)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Mouse hepatitis virus (MHV)	Serum	MFI/ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Mouse parvovirus (MPV)	Serum/ LN ¹	ELISA PCR	0/2 0/4	0/2 0/4	0/2 0/3	0/2 0/4	0/2 0/4	0/2 0/4
Pneumonia virus of mice (PVM)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Reovirus 3 (REO 3)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Rotavirus (EDIM)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Sendai virus	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Murine norovirus (MNV)	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
BACTERIA & MYCOPLASMA								
<i>Klebsiella</i> species	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Pasteurella pneumotropica</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Staphylococcus aureus</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
Other respiratory bacteria, including: <i>Bordetella bronchiseptica</i> <i>Corynebacterium kutscheri</i> <i>Pasteurella multocida</i> <i>Streptobacillus moniliformis</i> <i>Streptococcus, β hemolytic</i>	Nasopharynx	Culture	0/2	0/2	0/2	0/2	0/2	0/2
<i>Mycoplasma arthritidis</i> <i>Mycoplasma pulmonis</i>	Serum	ELISA	0/2	0/2	0/2	0/2	0/2	0/2
Intestinal bacteria, including: <i>Citrobacter rodentium</i> <i>Klebsiella</i> species <i>Pseudomonas</i> species <i>Salmonella</i> species	Intestine	Culture	0/2	0/2	0/2	0/2	0/2	0/2

Date: 10/30/2020
Result Summary
Data added October 2020
Current positive results are in **bold**.
See data below.

Organism	Sample	Test Method	Sep '19	Dec '19	Mar '20	Jun '20	Sep '20	Current through 10/30/20
BACTERIA & MYCOPLASMA								
Helicobacter species <i>H. hepaticus</i> <i>H. bilis</i> <i>H. rodentium</i> <i>H. typhlonius</i>	Intestine/Feces	PCR	0/4	0/4	0/3	0/4	0/4	0/4
PARASITES & PROTOZOA								
Fleas, fur mites, lice	Fur	Micro	0/2	0/2	0/2	0/2	0/2	0/2
Fur Mites	Fur/ bedding	PCR	NT ²	NT ²	NT ²	NT ²	NT ²	NT ²
Follicle mites <i>(Psorergates simplex)</i>	Subcutis	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Pinworms, e.g., <i>Syphacia</i> species	Cecum	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Roundworms and other helminths	Intestine	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Tapeworms, e.g., <i>Hymenolepis</i> species	Intestine	Visual	0/2	0/2	0/2	0/2	0/2	0/2
Trichomonads	Intestine	Micro	0/2	0/2	0/2	0/2	0/2	0/2
Other intestinal protozoa, including: <i>Spironucleus muris</i> <i>Giardia muris</i>	Intestine	Micro	0/2	0/2	0/2	0/2	0/2	0/2

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