

**FINAL REPORT OF LABORATORY EXAMINATION**

4011 Discovery Drive, Columbia, MO 65201

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**IDEXX BioAnalytics Case # 115162-2026**

**Received Date: 6/18/2026**

**Version # 1**

**Report Date: 6/22/2026**

**Submitted By**

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**Referred By**

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**Specimen Description**

Species: mouse  
Description: Feces; Pelt Swab  
Number of Specimens/Animals: 5  
Building/Facility: Disco Ridge

**Purchase Order #: FHN57**

Client ID	Investigator	Room #	Species	Sex
W112 Mouse Pinworm Fecal/Fur Mite Swab Rack 1-3	Davis	W112	mouse	M/F
W112 Mouse Pinworm Fecal/Fur Mite Swab Rack 4-5	Davis	W112	mouse	M/F
W116 Mouse Pinworm Fecal/Fur Mite Swab GM-1	Amos-Landgraf	W116	mouse	M/F
W116 Mouse Pinworm Fecal/Fur Mite Swab GM-4	Amos-Landgraf	W116	mouse	M/F
W116 Mouse Pinworm Fecal/Fur Mite Swab 3	Amos-Landgraf	W116	mouse	M/F

**Services/Tests Performed:** Pinworm and Fur Mite Panel (1-5)

**General Comments:** Quarterly Mouse Pinworm and Fur Mite Testing for "A" status rooms (W112 and W116) at the MMRRC-MU and AMC. 6/18/2026 AOB.

**Summary:** All test results were negative.

**PCR EVALUATION**

feces	W112 Mouse P inworm Fecal/ Fur Mite Swab Rack 1-3	W112 Mouse P inworm Fecal/ Fur Mite Swab Rack 4-5	W116 Mouse P inworm Fecal/ Fur Mite Swab GM-1	W116 Mouse P inworm Fecal/ Fur Mite Swab GM-4	W116 Mouse P inworm Fecal/ Fur Mite Swab 3
<i>Aspicularis tetraptera</i>	-	-	-	-	-
<i>Syphacia muris</i>	-	-	-	-	-
<i>Syphacia obvelata</i>	-	-	-	-	-

pelt swab	W112 Mouse P inworm Fecal/ Fur Mite Swab Rack 1-3	W112 Mouse P inworm Fecal/ Fur Mite Swab Rack 4-5	W116 Mouse P inworm Fecal/ Fur Mite Swab GM-1	W116 Mouse P inworm Fecal/ Fur Mite Swab GM-4	W116 Mouse P inworm Fecal/ Fur Mite Swab 3
<i>Myocoptes</i>	-	-	-	-	-
<i>Radfordia/Myobia</i>	-	-	-	-	-

Legend: + = positive   - = negative   id:id = pooled sample range   id+id+id = non-range pooled sample   inc = inconclusive   NT or blank = no test performed   sus = suspect   wps = weak positive   XX = Testing in progress

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**IDEXX BioAnalytics Case # 114454-2026**

**Received Date: 6/17/2026**

**Version # 1**

**Report Date: 6/25/2026**

**Submitted By**

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**Specimen Description**

Species: mouse  
Breed/Strain: CR ATH HE  
Description: Whole Animal  
Number of Specimens/Animals: 11  
Building/Facility: Discovery Ridge

**Purchase Order #: 691609**

Client ID	Investigator	Room #	Species	Strain /Breed	Sex	Rack	Date Placed
112-A	Davis	W112	mouse	CR ATH HE	F	1	3/16/2026
112-B	Davis	W112	mouse	CR ATH HE	F	2	3/16/2026
112-C	Davis	W112	mouse	CR ATH HE	F	3	3/16/2026
112-D	Davis	W112	mouse	CR ATH HE	F	4	3/16/2026
112-H	Davis	W112	mouse	CR ATH HE	F	5	3/16/2026
116-A	Amos-Landgraf	W116	mouse	CR ATH HE	F	1	3/16/2026
116-B	Amos-Landgraf	W116	mouse	CR ATH HE	F	2	3/16/2026
116-C	Amos-Landgraf / Bryda	W116	mouse	CR ATH HE	F	3	3/16/2026
116-D	Amos-Landgraf	W116	mouse	CR ATH HE	F	4	3/16/2026
116-E	Amos-Landgraf	W116	mouse	CR ATH HE	F	5	3/16/2026
116-F	Amos-Landgraf	W116	mouse	CR ATH HE	F	6	3/16/2026

**Services/Tests Performed:** MU MMRRC Mouse Quarterly Sentinel and Rederivation Surrogate Profile (1-11)

**Serologic evaluation for antibodies to:** *Mycoplasma pulmonis*, *Pneumocystis murina*, Ectromelia, EDIM, LCMV, MAV1, MAV2, MHV, MNV, MPV, MVM, Polyoma, PVM, REO3, Sendai, TMEV

**PCR evaluation for:** *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Mycoplasma pulmonis*, *Streptococcus* sp. beta hemolytic Group A, *Streptococcus* sp. beta hemolytic Group B, *Streptococcus* sp. beta hemolytic Group C, *Streptococcus* sp. beta hemolytic Group G

**Parasitologic evaluation for:** fur mites, mesostigmatid mites, lice, *Spironucleus muris*, *Giardia muris*, large intestinal flagellates and amoeba, pinworms and tapeworms

**Microbiologic evaluation for:** *Bordetella pseudohinzii*, *Citrobacter rodentium*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Rodentibacter heylii*, *Rodentibacter pneumotropicus*, *Salmonella enterica*, *Streptococcus pneumoniae*

**General Comments:** Discovery Ridge - 2026 Q2 'A' room mouse sentinel necropsies

**Summary:** All test results were negative. Please see the report for details.

**NECROPSY**

No gross lesions were detected in any of the body systems and organs examined.

**SEROLOGY SUMMARY**

	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
Ectromelia	-	-	-	-	-	-	-	-	-	-
EDIM	-	-	-	-	-	-	-	-	-	-
LCMV	-	-	-	-	-	-	-	-	-	-
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-	-
MAV1	-	-	-	-	-	-	-	-	-	-
MAV2	-	-	-	-	-	-	-	-	-	-
MHV	-	-	-	-	-	-	-	-	-	-
MNV	-	-	-	-	-	-	-	-	-	-
MPV	-	-	-	-	-	-	-	-	-	-
MVM	-	-	-	-	-	-	-	-	-	-
<i>Pneumocystis murina</i>	-	-	-	-	-	-	-	-	-	-
Polyoma	-	-	-	-	-	-	-	-	-	-
PVM	-	-	-	-	-	-	-	-	-	-
REO3	-	-	-	-	-	-	-	-	-	-
TMEV	-	-	-	-	-	-	-	-	-	-
Sendai	-	-	-	-	-	-	-	-	-	-
Mouse IgG	N	N	N	N	N	N	N	N	N	N

	116-F
Ectromelia	-
EDIM	-
LCMV	-
<i>Mycoplasma pulmonis</i>	-
MAV1	-
MAV2	-
MHV	-
MNV	-
MPV	-
MVM	-
<i>Pneumocystis murina</i>	-
Polyoma	-
PVM	-
REO3	-
TMEV	-
Sendai	-

	<b>116-F</b>
Mouse IgG	N

**Legend:** + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG

**PCR EVALUATION**

<b>feces</b>	<b>112-A</b>	<b>112-B</b>	<b>112-C</b>	<b>112-D</b>	<b>112-H</b>	<b>116-A</b>	<b>116-B</b>	<b>116-C</b>	<b>116-D</b>	<b>116-E</b>
<i>Helicobacter</i> spp.	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter bilis</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter ganmani</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter hepaticus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter mastomyrinus</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter rodentium</i>	-	-	-	-	-	-	-	-	-	-
<i>Helicobacter typhlonius</i>	-	-	-	-	-	-	-	-	-	-

<b>feces</b>	<b>116-F</b>
<i>Helicobacter</i> spp.	-
<i>Helicobacter bilis</i>	-
<i>Helicobacter ganmani</i>	-
<i>Helicobacter hepaticus</i>	-
<i>Helicobacter mastomyrinus</i>	-
<i>Helicobacter rodentium</i>	-
<i>Helicobacter typhlonius</i>	-

<b>oral swab</b>	<b>112-A</b>	<b>112-B</b>	<b>112-C</b>	<b>112-D</b>	<b>112-H</b>	<b>116-A</b>	<b>116-B</b>	<b>116-C</b>	<b>116-D</b>	<b>116-E</b>
<i>Mycoplasma pulmonis</i>	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-	-	-	-	-	-	-	-	-	-

<b>oral swab</b>	<b>116-F</b>
<i>Mycoplasma pulmonis</i>	-
<i>Streptococcus</i> sp. beta hemolytic Group A	-
<i>Streptococcus</i> sp. beta hemolytic Group B	-
<i>Streptococcus</i> sp. beta hemolytic Group C	-
<i>Streptococcus</i> sp. beta hemolytic Group G	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample inc = inconclusive NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

**PARASITOLOGY**

	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
parasites	-	-	-	-	-	-	-	-	-	-

	116-F
parasites	-

**MICROBIOLOGY**

Source/Specimen: cecum

Isolate	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
<i>Citrobacter rodentium</i>	-	-	-	-	-	-	-	-	-	-
<i>Klebsiella oxytoca</i>	-	-	-	-	-	-	-	-	-	-
<i>Klebsiella pneumoniae</i>	-	-	-	-	-	-	-	-	-	-
<i>Salmonella enterica</i>	-	-	-	-	-	-	-	-	-	-

Source/Specimen: cecum

Isolate	116-F
<i>Citrobacter rodentium</i>	-
<i>Klebsiella oxytoca</i>	-
<i>Klebsiella pneumoniae</i>	-
<i>Salmonella enterica</i>	-

Source/Specimen: oral swab

Isolate	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
<i>Bordetella pseudohinzii</i>	-	-	-	-	-	-	-	-	-	-
<i>Rodentibacter heylii</i>	-	-	-	-	-	-	-	-	-	-
<i>Rodentibacter pneumotropicus</i>	-	-	-	-	-	-	-	-	-	-
<i>Streptococcus pneumoniae</i>	-	-	-	-	-	-	-	-	-	-

Source/Specimen: oral swab

Isolate	116-F
<i>Bordetella pseudohinzii</i>	-
<i>Rodentibacter heylii</i>	-
<i>Rodentibacter pneumotropicus</i>	-
<i>Streptococcus pneumoniae</i>	-

Legend: + = agent recovered - = agent not recovered blank = test not performed n = no growth X = Preliminary

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IDEXX BioAnalytics Case # 114454-2026

Received Date: 6/17/2026

Version # 1

Report Date: 6/25/2026

SEROLOGY DETAILS

	Baseline	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
<b>Ectromelia</b>											
Ectromelia purified virus	MFI > 2.000	-	-	-	-	-	-	-	-	-	-
<b>EDIM</b>											
EDIM purified virus	MFI > 4.000	-	-	-	-	-	-	-	-	-	-
EDIM VP6 recombinant	MFI > 2.500	-	-	-	-	-	-	-	-	-	-
<b>LCMV</b>											
LCMV recombinant	MFI > 3.000	-	-	-	-	-	-	-	-	-	-
<b>Mycoplasma pulmonis</b>											
<i>M. pulmonis</i> purified bacteria	MFI > 4.250	-	-	-	-	-	-	-	-	-	-
<b>MAV1</b>											
MAV1 purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-	-
<b>MAV2</b>											
MAV2 purified virus	MFI > 4.500	-	-	-	-	-	-	-	-	-	-
<b>MHV</b>											
MHV purified virus	MFI > 2.500	-	-	-	-	-	-	-	-	-	-
MHV NC recombinant	MFI > 2.500	-	-	-	-	-	-	-	-	-	-
<b>MNV</b>											
MNV purified virus	MFI > 3.000	-	-	-	-	-	-	-	-	-	-
MNV VP1 recombinant	MFI > 4.000	-	-	-	-	-	-	-	-	-	-
<b>MPV</b>											
MPV VP2 recombinant	MFI > 2.000	-	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-	-
<b>MVM</b>											
MVM VP2 recombinant	MFI > 2.000	-	-	-	-	-	-	-	-	-	-
NS1 <sup>1</sup>	MFI > 3.750	-	-	-	-	-	-	-	-	-	-
<b>Pneumocystis murina</b>											
<i>P. murina</i>	MFI > 0.750	-	-	-	-	-	-	-	-	-	-
<b>Polyoma</b>											

	Baseline	112-A	112-B	112-C	112-D	112-H	116-A	116-B	116-C	116-D	116-E
Polyoma purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-	-
<b>PVM</b>											
PVM purified virus	MFI > 2.500	-	-	-	-	-	-	-	-	-	-
<b>REO3</b>											
REO3 purified virus	MFI > 4.900	-	-	-	-	-	-	-	-	-	-
<b>TMEV</b>											
TMEV purified virus	MFI > 2.250	-	-	-	-	-	-	-	-	-	-
wt TMEV purified virus	MFI > 3.500	-	-	-	-	-	-	-	-	-	-
<b>Sendai</b>											
Sendai purified virus	MFI > 3.750	-	-	-	-	-	-	-	-	-	-

	Baseline	116-F
<b>Ectromelia</b>		
Ectromelia purified virus	MFI > 2.000	-
<b>EDIM</b>		
EDIM purified virus	MFI > 4.000	-
EDIM VP6 recombinant	MFI > 2.500	-
<b>LCMV</b>		
LCMV recombinant	MFI > 3.000	-
<b>Mycoplasma pulmonis</b>		
<i>M. pulmonis</i> purified bacteria	MFI > 4.250	-
<b>MAV1</b>		
MAV1 purified virus	MFI > 3.750	-
<b>MAV2</b>		
MAV2 purified virus	MFI > 4.500	-
<b>MHV</b>		
MHV purified virus	MFI > 2.500	-
MHV NC recombinant	MFI > 2.500	-
<b>MNV</b>		
MNV purified virus	MFI > 3.000	-
MNV VP1 recombinant	MFI > 4.000	-
<b>MPV</b>		
MPV VP2 recombinant	MFI > 2.000	-
NS1 <sup>1</sup>	MFI > 3.750	-
<b>MVM</b>		
MVM VP2 recombinant	MFI > 2.000	-
NS1 <sup>1</sup>	MFI > 3.750	-
<b>Pneumocystis murina</b>		
<i>P. murina</i>	MFI > 0.750	-
<b>Polyoma</b>		

	Baseline	116-F
Polyoma purified virus	MFI > 3.750	-
<b>PVM</b>		
PVM purified virus	MFI > 2.500	-
<b>REO3</b>		
REO3 purified virus	MFI > 4.900	-
<b>TMEV</b>		
TMEV purified virus	MFI > 2.250	-
wt TMEV purified virus	MFI > 3.500	-
<b>Sendai</b>		
Sendai purified virus	MFI > 3.750	-

**NS1<sup>1</sup>:** NS1 protein is highly conserved among rodent parvoviruses and thus serves as a generic assay for parvovirus seroconversion.

**Legend:** + = positive - = negative blank = test not performed EQ = equivocal HE = hemolysis precluded testing I = insufficient W = weak positive WB = Western Blot confirmatory analysis pending NS = non-specific reactivity N = normal IgG L = less than normal IgG Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.