

## FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

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IDEXX BioAnalytics Case # 131915-2025

Received Date: 12/16/2025

Version # 1

Report Date: 12/19/2025

## Submitted By

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## Specimen Description

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

Purchase Order #: FGB44

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

**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. 12/16/2025 AOB.**Summary:** All test results were negative.

PCR EVALUATION

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

| pelt swab               | W112 Mouse P<br>inworm Fecal/<br>Fur Mite Swab<br>Rack 1- 3 | W112 Mouse P<br>inworm Fecal/<br>Fur Mite Swab<br>Rack 4- 5 | W116 Mouse P<br>inworm Fecal/<br>Fur Mite Swab<br>GM-1 | W116 Mouse P<br>inworm Fecal/<br>Fur Mite Swab<br>GM-4 | W116 Mouse P<br>inworm Fecal/<br>Fur Mite Swab<br>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 # 131787-2025

Received Date: 12/18/2025

Version # 1

Report Date: 12/28/2025

## 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    | 9/15/2025   |
| 112-B     | Davis                 | W112   | mouse   | CR ATH HE     | F   | 2    | 9/15/2025   |
| 112-C     | Davis                 | W112   | mouse   | CR ATH HE     | F   | 3    | 9/15/2025   |
| 112-D     | Davis                 | W112   | mouse   | CR ATH HE     | F   | 4    | 9/15/2025   |
| 112-E     | Davis                 | W112   | mouse   | CR ATH HE     | F   | 5    | 9/15/2025   |
| 116-A     | Amos-Landgraf         | W116   | mouse   | CR ATH HE     | F   | 1    | 9/15/2025   |
| 116-B     | Amos-Landgraf         | W116   | mouse   | CR ATH HE     | F   | 2    | 9/15/2025   |
| 116-C     | Amos-Landgraf / Bryda | W116   | mouse   | CR ATH HE     | F   | 3    | 9/15/2025   |
| 116-D     | Amos-Landgraf         | W116   | mouse   | CR ATH HE     | F   | 4    | 9/15/2025   |
| 116-E     | Amos-Landgraf         | W116   | mouse   | CR ATH HE     | F   | 5    | 9/15/2025   |
| 116-F     | Amos-Landgraf         | W116   | mouse   | CR ATH HE     | F   | 6    | 9/15/2025   |

## Services/Tests Performed: MU MMRRC Mouse Annual Sentinel Profile (1-11)

**Serologic evaluation for antibodies to:** *Clostridium piliforme*, *Mycoplasma pulmonis*, *Pneumocystis murina*,  
Ectromelia, EDIM, Hantaan, K virus, LCMV, LDEV, MAV1, MAV2, MCMV, MHV, MNV, MPV, MTV, MVM, Polyoma,

PVM, REO3, Sendai, TMEV, *Encephalitozoon cuniculi*, *Filobacterium rodentium*

**PCR evaluation for:** *Cryptosporidium* spp., *Helicobacter bilis*, *Helicobacter ganmani*, *Helicobacter hepaticus*, *Helicobacter mastomyrinus*, *Helicobacter rodentium*, *Helicobacter* spp., *Helicobacter typhlonius*, *Mycoplasma pulmonis*, *Streptobacillus moniliformis*, *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 bronchiseptica*, *Bordetella pseudohinzii*, *Citrobacter rodentium*, *Corynebacterium bovis*, *Corynebacterium kutscheri*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Pasteurella multocida*, *Rodentibacter heylii*, *Rodentibacter pneumotropicus*, *Salmonella enterica*, *Streptococcus pneumoniae*

**General Comments:** Discovery Ridge - 2025 Q4 'A' room mouse sentinel necropsies

**Summary:** Equivocal reactivity to PVM was detected by MFI in sample 116-A; however, the follow-up IFA test result was negative. This pattern of reactivity is indicative of non-specific antibody adherence. The overall conclusion is that the sample is negative for antibodies to PVM.

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-E | 116-A | 116-B | 116-C | 116-D |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MTV                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Filobacterium rodentium</i>  | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Encephalitozoon cuniculi</i> | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| Ectromelia                      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| EDIM                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| Hantaan                         | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| K virus                         | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| LCMV                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| LDEV                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Mycoplasma pulmonis</i>      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MAV1                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MAV2                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MCMV                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MHV                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MNV                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MPV                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| MVM                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Pneumocystis murina</i>      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| Polyoma                         | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| PVM                             | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| REO3                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| TMEV                            | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| Sendai                          | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Clostridium piliforme</i>    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| Mouse IgG                       | N     | N     | N     | N     | N     | N     | N     | N     | N     |

|                                 | 116-E | 116-F |
|---------------------------------|-------|-------|
| MTV                             | -     | -     |
| <i>Filobacterium rodentium</i>  | -     | -     |
| <i>Encephalitozoon cuniculi</i> | -     | -     |
| Ectromelia                      | -     | -     |
| EDIM                            | -     | -     |
| Hantaan                         | -     | -     |
| K virus                         | -     | -     |
| LCMV                            | -     | -     |

|                              | 116-E | 116-F |
|------------------------------|-------|-------|
| LDEV                         | -     | -     |
| <i>Mycoplasma pulmonis</i>   | -     | -     |
| MAV1                         | -     | -     |
| MAV2                         | -     | -     |
| MCMV                         | -     | -     |
| MHV                          | -     | -     |
| MNV                          | -     | -     |
| MPV                          | -     | -     |
| MVM                          | -     | -     |
| <i>Pneumocystis murina</i>   | -     | -     |
| Polyoma                      | -     | -     |
| PVM                          | -     | -     |
| REO3                         | -     | -     |
| TMEV                         | -     | -     |
| Sendai                       | -     | -     |
| <i>Clostridium piliforme</i> | -     | -     |
| Mouse IgG                    | N     | 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

| feces                            | 112-A | 112-B | 112-C | 112-D | 112-E | 116-A | 116-B | 116-C | 116-D |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>Cryptosporidium</i> spp.      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <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>   | -     | -     | -     | -     | -     | -     | -     | -     | -     |

| feces                            | 116-E | 116-F |
|----------------------------------|-------|-------|
| <i>Cryptosporidium</i> spp.      | -     | -     |
| <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>   | -     | -     |

| oral swab                                       | 112-A | 112-B | 112-C | 112-D | 112-E | 116-A | 116-B | 116-C | 116-D |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>Mycoplasma pulmonis</i>                      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Streptobacillus moniliformis</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 | -     | -     | -     | -     | -     | -     | -     | -     | -     |

| oral swab                                       | 116-E | 116-F |
|-------------------------------------------------|-------|-------|
| <i>Mycoplasma pulmonis</i>                      | -     | -     |
| <i>Streptobacillus moniliformis</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-E | 116-A | 116-B | 116-C | 116-D |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| parasites | -     | -     | -     | -     | -     | -     | -     | -     | -     |

|           | 116-E | 116-F |
|-----------|-------|-------|
| parasites | -     | -     |

## MICROBIOLOGY

Source/Specimen: cecum

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

Source/Specimen: cecum

| Isolate                      | 116-E | 116-F |
|------------------------------|-------|-------|
| <i>Citrobacter rodentium</i> | -     | -     |

| Isolate                      | 116-E | 116-F |
|------------------------------|-------|-------|
| <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-E | 116-A | 116-B | 116-C | 116-D |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>Bordetella bronchiseptica</i>    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Bordetella pseudohinzii</i>      | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Corynebacterium kutscheri</i>    | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Pasteurella multocida</i>        | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Rodentibacter heylii</i>         | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Rodentibacter pneumotropicus</i> | -     | -     | -     | -     | -     | -     | -     | -     | -     |
| <i>Streptococcus pneumoniae</i>     | -     | -     | -     | -     | -     | -     | -     | -     | -     |

Source/Specimen: oral swab

| Isolate                             | 116-E | 116-F |
|-------------------------------------|-------|-------|
| <i>Bordetella bronchiseptica</i>    | -     | -     |
| <i>Bordetella pseudohinzii</i>      | -     | -     |
| <i>Corynebacterium kutscheri</i>    | -     | -     |
| <i>Pasteurella multocida</i>        | -     | -     |
| <i>Rodentibacter heylii</i>         | -     | -     |
| <i>Rodentibacter pneumotropicus</i> | -     | -     |
| <i>Streptococcus pneumoniae</i>     | -     | -     |

Source/Specimen: skin swab

| Isolate                      | 112-A | 112-B | 112-C | 112-D | 112-E | 116-A | 116-B | 116-C | 116-D |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>Corynebacterium bovis</i> | -     | -     | -     | -     | -     | -     | -     | -     | -     |

Source/Specimen: skin swab

| Isolate                      | 116-E | 116-F |
|------------------------------|-------|-------|
| <i>Corynebacterium bovis</i> | -     | -     |

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