

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 38906-2021

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SEROLOGY DETAILS

| | Baseline | 1a, 1b | 2a, 2b | 3a, 3b | 4a | 5a, 5b |
|--------------------------------------|-------------|--------|--------|--------|----|--------|
| Ectromelia | | | | | | |
| Ectromelia purified virus | MFI > 2.000 | - | - | - | - | - |
| EDIM | | | | | | |
| EDIM purified virus | MFI > 4.000 | - | - | - | - | - |
| EDIM VP6 recombinant | MFI > 2.500 | - | - | - | - | - |
| LCMV | | | | | | |
| LCMV recombinant | MFI > 3.000 | - | - | - | - | - |
| Mycoplasma pulmonis | | | | | | |
| <i>M. pulmonis</i> purified bacteria | MFI > 4.250 | - | - | - | - | - |
| MAV1 | | | | | | |
| MAV1 purified virus | MFI > 3.750 | - | - | - | - | - |
| MAV2 | | | | | | |
| MAV2 purified virus | MFI > 4.500 | - | - | - | - | - |
| MHV | | | | | | |
| MHV purified virus | MFI > 2.500 | - | - | - | - | - |
| MHV NC recombinant | MFI > 2.500 | - | - | - | - | - |
| MNV | | | | | | |
| MNV purified virus | MFI > 3.000 | - | - | - | - | - |
| MNV VP1 recombinant | MFI > 4.000 | - | - | - | - | - |
| MPV | | | | | | |
| MPV VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| MVM | | | | | | |
| MVM VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| Polyoma | | | | | | |
| Polyoma purified virus | MFI > 3.750 | - | - | - | - | - |
| PVM | | | | | | |

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at IdexxBioAnalytics@idexx.com.

| | Baseline | 1a, 1b | 2a, 2b | 3a, 3b | 4a | 5a, 5b |
|-----------------------|-------------|--------|--------|--------|----|--------|
| PVM purified virus | MFI > 2.500 | - | - | - | - | - |
| REO3 | | | | | | |
| REO3 purified virus | MFI > 4.900 | - | - | - | - | - |
| TMEV | | | | | | |
| TMEV purified virus | MFI > 2.250 | - | - | - | - | - |
| RTV purified virus | MFI > 2.750 | - | - | - | - | - |
| Sendai | | | | | | |
| Sendai purified virus | MFI > 3.750 | - | - | - | - | - |

| | Baseline | 7a, 7b | 8a | 9a, 9b | 10a | 11a, 11b |
|--------------------------------------|-------------|--------|-----|--------|-----|----------|
| Ectromelia | | | | | | |
| Ectromelia purified virus | MFI > 2.000 | - | - | - | - | - |
| EDIM | | | | | | |
| EDIM purified virus | MFI > 4.000 | - | - | - | - | - |
| EDIM VP6 recombinant | MFI > 2.500 | - | - | - | - | - |
| LCMV | | | | | | |
| LCMV recombinant | MFI > 3.000 | - | - | - | - | - |
| Mycoplasma pulmonis | | | | | | |
| <i>M. pulmonis</i> purified bacteria | MFI > 4.250 | - | - | - | - | - |
| MAV1 | | | | | | |
| MAV1 purified virus | MFI > 3.750 | - | - | - | - | - |
| MAV2 | | | | | | |
| MAV2 purified virus | MFI > 4.500 | - | - | - | - | - |
| MHV | | | | | | |
| MHV purified virus | MFI > 2.500 | - | - | - | - | - |
| MHV NC recombinant | MFI > 2.500 | - | - | - | - | - |
| MNV | | | | | | |
| MNV purified virus | MFI > 3.000 | +21 | +21 | +21 | - | +19 |
| MNV VP1 recombinant | MFI > 4.000 | +20 | +19 | +18 | - | +19 |
| MPV | | | | | | |
| MPV VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| MVM | | | | | | |
| MVM VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| Polyoma | | | | | | |
| Polyoma purified virus | MFI > 3.750 | - | - | - | - | - |
| PVM | | | | | | |
| PVM purified virus | MFI > 2.500 | - | - | - | - | - |
| REO3 | | | | | | |

| | Baseline | 7a, 7b | 8a | 9a, 9b | 10a | 11a, 11b |
|-----------------------|-------------|--------|----|--------|-----|----------|
| REO3 purified virus | MFI > 4.900 | - | - | - | - | - |
| TMEV | | | | | | |
| TMEV purified virus | MFI > 2.250 | - | - | - | - | - |
| RTV purified virus | MFI > 2.750 | - | - | - | - | - |
| Sendai | | | | | | |
| Sendai purified virus | MFI > 3.750 | - | - | - | - | - |

| | Baseline | 12a, 12b | 13a, 13b | 14 | 15 | 16 |
|--------------------------------------|-------------|----------|----------|----|----|----|
| Ectromelia | | | | | | |
| Ectromelia purified virus | MFI > 2.000 | - | - | - | - | - |
| EDIM | | | | | | |
| EDIM purified virus | MFI > 4.000 | - | - | - | - | - |
| EDIM VP6 recombinant | MFI > 2.500 | - | - | - | - | - |
| LCMV | | | | | | |
| LCMV recombinant | MFI > 3.000 | - | - | - | - | - |
| Mycoplasma pulmonis | | | | | | |
| <i>M. pulmonis</i> purified bacteria | MFI > 4.250 | - | - | - | - | - |
| MAV1 | | | | | | |
| MAV1 purified virus | MFI > 3.750 | - | - | - | - | - |
| MAV2 | | | | | | |
| MAV2 purified virus | MFI > 4.500 | - | - | - | - | - |
| MHV | | | | | | |
| MHV purified virus | MFI > 2.500 | - | - | - | - | - |
| MHV NC recombinant | MFI > 2.500 | - | - | - | - | - |
| MNV | | | | | | |
| MNV purified virus | MFI > 3.000 | - | +21 | - | - | - |
| MNV VP1 recombinant | MFI > 4.000 | - | +18 | - | - | - |
| MPV | | | | | | |
| MPV VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| MVM | | | | | | |
| MVM VP2 recombinant | MFI > 2.000 | - | - | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - | - | - |
| Polyoma | | | | | | |
| Polyoma purified virus | MFI > 3.750 | - | - | - | - | - |
| PVM | | | | | | |
| PVM purified virus | MFI > 2.500 | - | - | - | - | - |
| REO3 | | | | | | |
| REO3 purified virus | MFI > 4.900 | - | - | - | - | - |
| TMEV | | | | | | |

| | Baseline | 12a, 12b | 13a, 13b | 14 | 15 | 16 |
|-----------------------|-------------|----------|----------|----|----|----|
| TMEV purified virus | MFI > 2.250 | - | - | - | - | - |
| RTV purified virus | MFI > 2.750 | - | - | - | - | - |
| Sendai | | | | | | |
| Sendai purified virus | MFI > 3.750 | - | - | - | - | - |

| | Baseline | 17 | 18 | 19 |
|--------------------------------------|-------------|-----|----|----|
| Ectromelia | | | | |
| Ectromelia purified virus | MFI > 2.000 | - | - | - |
| EDIM | | | | |
| EDIM purified virus | MFI > 4.000 | - | - | - |
| EDIM VP6 recombinant | MFI > 2.500 | - | - | - |
| LCMV | | | | |
| LCMV recombinant | MFI > 3.000 | - | - | - |
| Mycoplasma pulmonis | | | | |
| <i>M. pulmonis</i> purified bacteria | MFI > 4.250 | - | - | - |
| MAV1 | | | | |
| MAV1 purified virus | MFI > 3.750 | - | - | - |
| MAV2 | | | | |
| MAV2 purified virus | MFI > 4.500 | - | - | - |
| MHV | | | | |
| MHV purified virus | MFI > 2.500 | - | - | - |
| MHV NC recombinant | MFI > 2.500 | - | - | - |
| MNV | | | | |
| MNV purified virus | MFI > 3.000 | +20 | - | - |
| MNV VP1 recombinant | MFI > 4.000 | +19 | - | - |
| MPV | | | | |
| MPV VP2 recombinant | MFI > 2.000 | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - |
| MVM | | | | |
| MVM VP2 recombinant | MFI > 2.000 | - | - | - |
| NS1 ¹ | MFI > 3.750 | - | - | - |
| Polyoma | | | | |
| Polyoma purified virus | MFI > 3.750 | - | - | - |
| PVM | | | | |
| PVM purified virus | MFI > 2.500 | - | - | - |
| REO3 | | | | |
| REO3 purified virus | MFI > 4.900 | - | - | - |
| TMEV | | | | |
| TMEV purified virus | MFI > 2.250 | - | - | - |
| RTV purified virus | MFI > 2.750 | - | - | - |

| | Baseline | 17 | 18 | 19 |
|-----------------------|-------------|----|----|----|
| Sendai | | | | |
| Sendai purified virus | MFI > 3.750 | - | - | - |

NS1¹: 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.