**TABLES**

**Table 1.** Anesthetic protocols used for the chemical immobilization of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |
| --- | --- | --- |
| Anesthetic Protocols | Capture Method | *n* |
| Butorphanol (0.17 mg/kg) + Medetomidine (0.012 mg/kg) + Ketamine (0.7 mg/kg)1 | Box trap | 28 |
| Butorphanol (0.17 mg/kg) + Medetomidine (0.012 mg/kg) + Ketamine (0.7 mg/kg)1 | Pitfall | 5 |
| T/Z2 (1.25 mg/kg) + Medetomidine (0.006 mg/kg) + Ketamine (0.6 mg/kg) + Atropine (0.03 mg/kg) 3 | Darting | 2 |

1 Atropine was added as needed (0.03 mg/kg).

2 T/Z = Tiletamine/Zolazepam.

3 Midazolam (0.03 mg/kg) was administered 30 minutes after the administration of Zolazepam.

**Table 2.** Physiological parameters of wild lowland tapirs (*Tapirus terrestris*) under anesthesia using the association of Butorphanol (0.17 mg/kg), Medetomidine (0.012 mg/kg) and Ketamine (0.7 mg/kg) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | | *n* | Mean | SD |
| Cardiac Rate | (bpm) | 33 | 56 | 15 |
| Respiratory Rate | (bpm) | 33 | 23 | 10 |
| Blood Oxygen Saturation | (%) | 32 | 90 | 8 |
| Body Temperature | (oC) | 32 | 36.4 | 0.9 |
| Systolic Blood Pressure | (mmHg) | 7 | 104 | 12 |

SD = standard deviation

**Table 3.** Estimated body mass (kg) of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Age Class | CE | | |
| Sex | *n* | Mean | SD |
| Female | Adult | 15 | 201 | 20 |
|  | Sub-adult | 2 | 180 | 0 |
|  | Juvenile | 4 | 95 | 11 |
| Male | Adult | 8 | 190 | 10 |
|  | Sub-adult | 6 | 155 | 28 |
|  | Juvenile | 0 | - | - |

SD = standard deviation

**Table 4.** Results of physical evaluation of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |
| --- | --- | --- |
| Parameter | CE (*n* = 35) | Categories / Alterations |
| Body condition | 71%  20%  9% | Good  Regular  Poor |
| Skin condition | 74%  23%  3% | Good  Regular  Poor |
| Skin integrity | 57%  34% | Presence of scars  Presence of recent wounds |
| Fur condition | 11% | Altered pigmentation |
| Eyes condition | 11% | Bilateral yellowish discharge |
| Dental condition | 57% | Tooth loss, fractures, periodontitis and/or gingival retraction |
| Other findings | 3%  3%  3%  6%  3% | Abnormal respiratory discharge  Umbilical hernia  Absence of one ear  Penis injurie  Edema and inflammation of the lip |

**Table 5.** Hematologic parameters of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | CE | | | | | | | | | |
| Parametera | SI Unit | *n* | Mean | Min | Q1 | Median | Q3 | Max | SD | SE |  |
| Red blood cell count | 10¹²/L | 35 | 6.50 | 4.19 | 5.57 | 6.35 | 7.24 | 9.73 | 1.40 | 0.24 | b, c |
| Packed cell volume | L/L | 35 | 0.29 | 0.19 | 0.27 | 0.29 | 0.32 | 0.36 | 0.04 | 0.01 | b |
| MCV | fL | 35 | 46.43 | 31.05 | 38.89 | 45.57 | 53.27 | 72.69 | 9.45 | 1.60 | b, c |
| White blood cell count | 109/L | 35 | 14.38 | 6.60 | 9.38 | 14.25 | 18.85 | 28.35 | 5.61 | 0.95 | b, c |
| Eosinophils | 109/L | 35 | 0.39 | 0 | 0 | 0.18 | 0.41 | 1.85 | 0.56 | 0.10 | # |
| Basophils | 109/L | 35 | 0.03 | 0 | 0 | 0 | 0 | 0.38 | 0.08 | 0.01 | # |
| Lymphocytes | 109/L | 35 | 2.97 | 1.19 | 1.90 | 2.95 | 3.82 | 7.31 | 1.33 | 0.22 | # |
| Reactive Lymphocytes | 109/L | 35 | 0.62 | 0 | 0.14 | 0.39 | 0.87 | 3.67 | 0.74 | 0.12 | # |
| Monocytes | 109/L | 35 | 0.66 | 0.00 | 0.40 | 0.56 | 0.78 | 2.46 | 0.47 | 0.08 | b, c |
| Band neutrophils | 109/L | 35 | 0.38 | 0 | 0 | 0.08 | 0.34 | 2.78 | 0.65 | 0.11 | c |
| Segmented neutrophils | 109/L | 35 | 9.96 | 3.72 | 5.95 | 9.15 | 12.55 | 25.80 | 5.07 | 0.86 | b, c |
| Total neutrophils | 109/L | 35 | 10.33 | 3.80 | 5.95 | 9.15 | 12.85 | 25.80 | 5.33 | 0.90 | b, c |

a MCV = Mean Corpuscular Volume; Q1 = lower quartile; Q3 = upper quartile; SD = standard deviation; SE = standard error.

b indicates parameters that were significantly different (*P*<0.05) when comparing CE and PA data.

c indicates parameters that were significantly different (*P*<0.05) when comparing CE and AF data.

d indicates parameters that were not significantly different (*P*>0.05) when comparing CE and PA or AF data.

# indicates parameters which a comparison on “biome” level was not allowed by the statistical tests.

**Table 6.** Biochemical parameters of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | CE | | | | | | | | | | | | |
| Parametera | SI Unit | *n* | Mean | Min | Q1 | Median | Q3 | | Max | | SD | | SE |  |
| Alanine Aminotransferase (ALT) | U/L | 35 | 13.31 | 4.00 | 10.00 | 12.00 | 17.50 | | 28.00 | | 6.19 | | 1.05 | b, c |
| Aspartate Aminotransferase (AST) | U/L | 35 | 118.83 | 41.00 | 79.50 | 102.00 | 130.50 | 344.00 | | 62.65 | | 10.59 | | b, c |
| Gamma Glutamyl Transferase (GGT) | U/L | 35 | 19.43 | 3.00 | 15.00 | 19.00 | 23.00 | | 36.00 | | 7.12 | | 1.20 | b, c |
| Blood Urea Nitrogen (BUN) | mmol/L | 35 | 6.22 | 1.79 | 4.82 | 6.07 | 7.50 | | 10.35 | | 2.02 | | 0.34 | # |
| Uric Acid | µmol/L | 35 | 12.07 | 0 | 5.95 | 11.90 | 11.90 | | 53.53 | | 12.28 | | 2.08 | # |
| Creatinine | µmol/L | 35 | 83.10 | 53.04 | 79.56 | 79.56 | 88.40 | | 114.92 | | 12.54 | | 2.12 | b, c |
| Creatinine Phosphokinase (CPK) | U/L | 35 | 602.91 | 3.00 | 146.00 | 213.00 | 699.50 | | 3232.00 | | 791.74 | 133.83 | | b |
| Alkaline Phosphatase (ALP) | U/L | 35 | 18.69 | 3.00 | 14.50 | 16.00 | 22.50 | | 56.00 | | 10.40 | | 1.76 | b, c |
| Lactate Dehydrogenase | U/L | 35 | 717.91 | 215.00 | 566.50 | 633.00 | 787.50 | | 1532.00 | | 286.61 | | 48.45 | # |
| Glucose | mmol/L | 35 | 7.08 | 3.11 | 5.77 | 7.10 | 8.16 | | 10.82 | | 1.98 | | 0.33 | b |
| Total Cholesterol | mmol/L | 35 | 3.40 | 1.58 | 2.81 | 3.16 | 4.06 | | 6.01 | | 0.92 | | 0.16 | # |
| HDL Cholesterol | mmol/L | 35 | 2.16 | 0.85 | 1.91 | 2.10 | 2.45 | | 3.34 | | 0.53 | | 0.09 | # |
| LDL Cholesterol | mmol/L | 35 | 1.11 | 0.18 | 0.74 | 1.04 | 1.50 | | 2.51 | | 0.54 | | 0.09 | # |
| VLDL Cholesterol | mmol/L | 35 | 0.13 | 0.03 | 0.08 | 0.10 | 0.16 | | 0.34 | | 0.08 | | 0.01 | # |
| Triglyceride | mmol/L | 35 | 0.73 | 0.03 | 0.16 | 0.25 | 0.35 | | 16.54 | | 2.76 | | 0.47 | b, c |
| Total Protein | g/L | 35 | 69.46 | 54.00 | 65.50 | 69.00 | 75.00 | | 83.00 | | 7.56 | | 1.28 | b |
| Albumin | g/L | 35 | 17.46 | 8.00 | 16.00 | 17.00 | 19.00 | | 35.00 | | 4.57 | | 0.77 | c |
| Globulin | g/L | 35 | 52.03 | 34.00 | 48.00 | 51.00 | 56.50 | | 66.00 | | 6.58 | | 1.11 | b |
| Albumin/Globulin | Alb/Glob | 35 | 0.34 | 0.17 | 0.28 | 0.33 | 0.37 | | 1.03 | | 0.14 | | 0.02 | # |
| Cholinesterase | U/L | 35 | 267.17 | 143.00 | 214.00 | 249.00 | 287.00 | | 955.00 | | 131.17 | | 22.17 | # |
| Total Bilirubin | µmol/L | 35 | 6.83 | 2.74 | 3.93 | 5.13 | 7.36 | | 21.03 | | 4.11 | | 0.70 | b, c |
| Direct Bilirubin | µmol/L | 35 | 1.51 | 0.34 | 0.86 | 1.71 | 1.71 | | 4.10 | | 0.72 | | 0.12 | b, c |
| Indirect Bilirubin | µmol/L | 35 | 5.33 | 1.71 | 2.91 | 3.42 | 6.42 | | 18.47 | | 3.79 | | 0.64 | c |
| Magnesium | mmol/L | 35 | 0.65 | 0.37 | 0.53 | 0.62 | 0.70 | | 1.07 | | 0.17 | | 0.03 | # |
| Sodium | mmol/L | 35 | 139.20 | 124 | 135 | 140 | 143 | | 155 | | 6.55 | | 1.11 | b, c |
| Potassium | mmol/L | 35 | 3.39 | 2.20 | 3.05 | 3.50 | 3.65 | | 4.50 | | 0.55 | | 0.09 | # |
| Calcium | mmol/L | 35 | 2.33 | 2.00 | 2.24 | 2.33 | 2.44 | | 2.65 | | 0.17 | | 0.03 | # |
| Phosphorus | mmol/L | 35 | 1.02 | 0.48 | 0.80 | 0.94 | 1.24 | | 1.81 | | 0.35 | | 0.06 | # |
| Chloride | mmol/L | 35 | 103.97 | 95.00 | 99.50 | 103.00 | 107.00 | | 128.00 | | 7.34 | | 1.24 | b, c |
| Iron | µmol/L | 35 | 10.62 | 2.69 | 8.06 | 9.85 | 13.25 | | 22.20 | | 4.16 | | 0.70 | b, c |

a HDL = High Density Lipoprotein; LDL = Low Density Lipoprotein; VLDL = Very Low Density Lipoprotein; Q1 = lower quartile; Q3 = upper quartile; SD = standard deviation; SE = standard error.

b indicates parameters that were significantly different (*P*<0.05) when comparing CE and PA data.

c indicates parameters that were significantly different (*P*<0.05) when comparing CE and AF data.

d indicates parameters that were not significantly different (*P*>0.05) when comparing CE and PA or AF data.

# indicates parameters which a comparison on “biome” level was not allowed by the statistical tests.

**Table 7.** Urinalysis parameters of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CE | | | |
| Parameter | Description a | *n* | Mean | SD |
| Specific gravity | - | 5 | 1.012 | 11 |
| pH | - | 5 | 6.1 | 0.7 |
| Color | Light yellow | 5 | - | - |
| Presence of protein | (+)  (-) | 2  3 | - | - |
| Glucose | (-) | 5 | - | - |
| Ketone bodies | (+)  (-) | 1  4 | - | - |
| Biliary pigments | (-) | 5 | - | - |
| Hemoglobin | (-) | 5 | - | - |
| Bilirubin | (-) | 5 | - | - |
| Nitrite | (-) | 5 | - | - |
| Urobilinogen mg/dL | Normal  (-) | 4  1 | - | - |
| Leukocytes/ml | (-)  ca.25 | 3  2 | - | - |
| Erythrocytes/ml | (-) | 5 | - | - |
| Hyaline casts | (-) | 5 | - | - |
| Crystals | (-) | 5 | - | - |
| Bacteria | (-) | 5 | - | - |

SD = standard deviation

a (+) Positive; (-) Negative

**Table 8.** Parasitological evaluation conducted through the method of centrifugal-flotation in supersaturated sucrose solution in fecal samples collected when captured lowland tapirs (*Tapirus terrestris*) spontaneously defecate inside the traps in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |
| --- | --- | --- |
| Parasites detecteda | Tapirs tested (*n* = 12) | Parasitic charge |
| Ascarididae | 50% | Low (1-5 eggs on the blade) |
| Strongylida | 8% | Low (1-5 eggs on the blade) |
| Negative | 50% |  |

a Parasites not identified at species level.

**Table 9.** Microbiological strains isolated from anatomical cavities and dermal lesions, and their prevalence per cavity and in the population of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sampling prevalence [% (95% CI)] | per cavity / site | | | | | | | | | in the populationa |  |
| Microbiological strains | Oral | Nasal | Auricular | Anal | Vaginal | Urethral | Preputial | Ocular | Dermal lesions |  |  |
| *n* (individuals sampled) | 35 | 34 | 34 | 35 | 21 | 13 | 14 | 35 | 6 | 35 |  |
| *n* (microbiological strains isolated) | 8 | 9 | 12 | 11 | 4 | 3 | 7 | 13 | 6 | 24 |  |
| *Acinetobacter* sp. | 2.6 (0.1-13.8) | 0 | 5.6 (0.7-18.7) | 2.6 (0.1-13.8) | 0 | 0 | 7.1 (0.2-33.9) | 0 | 0 | 2.0 (0.7-4.7) | d |
| *Acinetobacter iwoffii* | 0 | 2.8 (0.1-14.5) | 2.8 (0.1-14.5) | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 (0.1-2.9) | e |
| *Bacillus* sp. | 2.6 (0.1-13.8) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 (0-2.2) | b |
| *Burkholderia cepacia* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 (0.1-14.2) | 0 | 0.4 (0-2.2) | e |
| *Candida* sp. (not *C.* *albicans*) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.4 (0.7-18.2) | 8.3 (0.2-38.5) | 1.2 (0.3-3.5) | d |
| *Enterobacter aerogenes* | 2.6 (0.1-13.8) | 2.8 (0.1-14.5) | 2.8 (0.1-14.5) | 0 | 0 | 0 | 0 | 8.1 (1.7-21.9) | 0 | 2.4 (0.9-5.2) | d |
| *Enterobacter agglomerans* | 0 | 5.6 (0.7-18.7) | 11.1 (3.1-26.1) | 0 | 0 | 0 | 0 | 13.5 (4.5-28.8) | 0 | 4.5 (2.3-7.9) | d |
| *Enterobacter cloacae* | 2.6 (0.1-13.8) | 0 | 11.1 (3.1-26.1) | 0 | 0 | 0 | 7.1 (0.2-33.9) | 5.4 (0.7-18.2) | 0 | 3.3 (1.4-6.3) | b |
| *Enterobacter* sp. | 0 | 0 | 0 | 0 | 0 | 0 | 7.1 (0.2-33.9) | 0 | 0 | 0.4 (0-2.2) | d |
| *Enterococcus* sp. | 0 | 0 | 0 | 13.2 (4.4-28.1) | 0 | 0 | 0 | 0 | 0 | 2.0 (0.7-4.7) | d |
| *Enterococcus faecalis* | 0 | 0 | 0 | 2.6 (0.1-13.8) | 0 | 0 | 0 | 0 | 0 | 0.4 (0-2.2) | e |
| *Escherichia coli* | 0 | 2.8 (0.1-14.5) | 5.6 (0.7-18.7) | 2.6 (0.1-13.8) | 0 | 7.1 (0.2-33.9) | 7.1 (0.2-33.9) | 2.7 (0.1-14.2) | 0 | 2.8 (1.2-5.8) | c |
| *Klebsiella oxytoca* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.7 (2.1-48.4) | 0.8 (0.1-2.9) | d |
| *Klebsiella pneumoniae* | 0 | 2.8 (0.1-14.5) | 2.8 (0.1-14.5) | 2.6 (0.1-13.8) | 4.8 (0.1-23.8) | 0 | 7.1 (0.2-33.9) | 2.7 (0.1-14.2) | 0 | 2.4 (0.9-5.2) | d |
| *Morganella morganii* | 0 | 0 | 0 | 2.6 (0.1-13.8) | 0 | 0 | 0 | 0 | 0 | 0.4 (0-2.2) | e |
| *Pseudomonas aeruginosa* | 15.8 (6-31.3) | 2.8 (0.1-14.5) | 8.3 (1.8-22.5) | 0 | 4.8 (0.1-23.8) | 0 | 0 | 2.7 (0.1-14.2) | 0 | 4.9 (2.5-8.4) | d |
| *Serratia marcescens* | 0 | 16.7 (6.4-32.8) | 11.1 (3.1-26.1) | 5.3 (0.6-17.7) | 9.5 (1.2-30.4) | 21.4 (4.7-50.8) | 28.6 (8.4-58.1) | 8.1 (1.7-21.9) | 0 | 9.8 (6.4-14.2) | c |
| *Staphylococcus aureus* | 13.2 (4.4-28.1) | 11.1 (3.1-26.1) | 11.1 (3.1-26.1) | 5.3 (0.6-17.7) | 0 | 0 | 7.1 (0.2-33.9) | 8.1 (1.7-21.9) | 16.7 (2.1-48.4) | 8.5 (5.4-12.8) | c |
| *Staphylococcus intermedius* | 7.9 (1.7-21.4) | 11.1 (3.1-26.1) | 8.3 (1.8-22.5) | 7.9 (1.7-21.4) | 0 | 7.1 (0.2-33.9) | 0 | 2.7 (0.1-14.2) | 16.7 (2.1-48.4) | 6.9 (4.1-10.8) | b, c |
| Coagulase-negative staphylococci | 0 | 0 | 2.8 (0.1-14.5) | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 (0-2.2) | b |
| *Stenotrophomonas maltophilia* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.3 (0.2-38.5) | 0.4 (0-2.2) | d |
| *Streptococcus agalactiae* (Group B) | 0 | 0 | 0 | 7.9 (1.7-21.4) | 0 | 0 | 0 | 0 | 0 | 1.2 (0.3-3.5) | d |
| *Streptococcus viridans* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 (0.1-14.2) | 0 | 0.4 (0-2.2) | e |
| Beta-hemolytic streptococci | 2.6 (0.1-13.8) | 0 | 0 | 2.6 (0.1-13.8) | 9.5 (1.2-30.4) | 0 | 0 | 2.7 (0.1-14.2) | 25.0 (5.5-57.2) | 3.3 (1.4-6.3) | d |

CI: Confidential interval

a prevalence of each microbiological strain in the CE tapir population, independently of the cavity.

b indicates parameters that were significantly different (*P*<0.05) when comparing CE and PA data.

c indicates parameters that were significantly different (*P*<0.05) when comparing CE and AF data.

d indicates parameters that were not significantly different (*P*>0.05) when comparing CE and PA or AF data.

e indicates strains isolated only in the CE study site

**Table 10.** Infectious agents, diagnostic method applied, and laboratory used in the serosurvey of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Infectious agent | Diagnostic method | Laboratory |
| Viral | Bovine Viral Diarrhea Virus | ELISA | IBSP |
|  | Foot and Mouth Disease Virus | AGID | IBSP |
|  | Equine Infectious Anemia Virus | AGID | IBSP |
|  | Bovine Leukemia Virus | AGID | IBSP |
|  | Eastern Equine Encephalitis (EEE) Virus | Serum neutralization and virus neutralization VERO cells | IBSP |
|  | Western Equine Encephalitis (WEE) Virus | Serum neutralization and virus neutralization VERO cells | IBSP |
|  | Bluetongue Virus | AGID | IBSP |
|  | Infectious Bovine Rhinotracheitis (IBR) Virus | Serum neutralization in MDBK cells (ATCC) AGID | IBSP |
|  | Pseudorabies Virus (Suid Herpesvirus type 1) | Serum neutralization in VERO cells | IBSP |
|  | Vesicular Stomatitis Virus | Serum neutralization and virus neutralization VERO cells | IBSP |
|  | Porcine Parvovirus | Hemagglutination inhibition | IBSP |
|  | Classic Swine Fever Virus | ELISA | IBSP |
|  | Rabies | RFFIT | IP |
| Bacterial | *Leptospira* *interrogans* (26 serovars) | Microscopic agglutination test | IBSP |
|  | *Brucella* *abortus* | Plate serum agglutination, Tube serum agglutination | IBSP |
| **ELISA:** Enzyme Linked ImmunoSorbent Assay; **IBSP:** Instituto Biológico de São Paulo; **IP:** Instituto Pasteur; **AGID:** Agar Gel Immune-Diffusion; **VERO:** African green monkey kidney cell line; **MDBK:** Madin and Darby bovine kidney cell; **RFFIT:** Rapid Fluorescent Foci Inhibition Test. | | | |

**Table 11.** Antibody sampling prevalence for infectious agents of wild lowland tapirs (*Tapirus terrestris*) in the Cerrado (CE; 2015–2017), Brazil.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Infectious agent | Sample size | Sampling prevalence [% (95% CI)] |  |
| Viral | Bovine Viral Diarrhea Virus | 35 | 0 |  |
|  | Foot and Mouth Disease Virus | 35 | 0 |  |
|  | Equine Infectious Anemia Virus | 12 | 0 |  |
|  | Bovine Leukemia Virus | 35 | 0 |  |
|  | Eastern Equine Encephalitis (EEE) Virus | 35 | 0 |  |
|  | Western Equine Encephalitis (WEE) Virus | 35 | 0 |  |
|  | Bluetongue Virus | 35 | 91.4 (76.9-98.2) | a, b, c, d |
|  | Infectious Bovine Rhinotracheitis (IBR) Virus | 35 | 0 |  |
|  | Pseudorabies Virus (Suid Herpesvirus type 1) | 35 | 0 |  |
|  | Vesicular Stomatitis Virus | 35 | 0 |  |
|  | Porcine Parvovirus | 35 | 97.1 (85.1-99.9) | a, d |
|  | Classic Swine Fever Virus | 21 | 0 |  |
|  | Rabies | 35 | 0 |  |
| Bacterial | *Leptospira* *interrogans* (26 serovars) | 35 | 60.0 (42.1-76.1) | a, b, d |
|  | *Brucella* *abortus* | 35 | 0 |  |

CI: Confidential interval

a indicates infectious agents detected in both CE and PA study sites.

b indicates infectious agents detected in both CE and AF study sites.

c indicates prevalence that were significantly different (*P*<0.05) when comparing CE and PA data.

d indicates prevalence that were significantly different (*P*<0.05) when comparing CE and AF data.