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Editors

W. Christopher Scruton

Stephen Claas

Layout

David Brown

Logo Design

Ruth Cronje, and Jan Swanson;

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Cover Design

Shawn Welch

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Pipestone Artificial Breeders boar health protocol

G.F. Kennedy, D.V.M., Managing Partner, Nancy Stoltenberg, Boar Stud Manager and Partner, G.D. Spronk, D.V.M., Partner, J.D. Bobb, D.V.M., Partner

A. In isolation:

1. Upon arrival vaccinate for:

- Mycoplasma plus parasuis (Killed) (Respifend MH/HPS)
- Swine influenza (Killed) both strains (Fluvac PLUS)
- Prebreeding (Killed) (Parvo Shield L5E)
- Also inject 20 cc CCRD (LS50) per boar
- 50 g Meccadox per ton of feed during isolation period

2. After at least four weeks in isolation, serology testing:

- PRV (30 boars/group)
- Brucellosis (30 boars/group)
- PRRSv (Elisa test of all boars)
- PRRSv (PCR test of all boars)

3. After four weeks isolation prior to moving boars into the stud, vaccinate for:

- Prebreeding (Killed)(Parvo Shield L5E)
- Swine influenza (Killed) both strains (Fluvac PLUS)
- Mycoplasma plus parasuis (Respifend MH/HPS)

B. In stud:

1. Weekly herd health visit:

- By accredited veterinarian with copy of report on file

2. Weekly semen testing for PRRSv by PCR test:

- Testing of semen daily at diagnostic lab

3. Serological testing:

- PRV at 3-4 week intervals
- Brucellosis at 3-4 week intervals
- PRRSv at 3-4 week intervals

4. All boar treatments recorded in Treatment Log with the following data:

- Boar ID
- Date of treatment

- Rectal temperature

- Drug administered and dosage given

- Any boar with 103° F temperature or higher is not collected (or if collected, discarded after collection)

5. Postmortem examination of boars:

- All dead boars go to Pipestone Veterinary Clinic for disposal (own composting sites by May 2002)
- Sudden deaths taken to Pipestone Veterinary Clinic for post mortem examination
- Copy of postmortem notes kept on file at Pipestone Artificial Breeders
- Pipestone Veterinary Clinic and South Dakota State University Diagnostic Laboratory used for any culture work

6. Feed protocol:

- Any feed spills around feed bins must be cleaned up immediately and discarded

7. Feed mill audit:

- A PIC feed mill audit must be done yearly with copy of report in file

8. Rodent control:

- Mouse bait must be placed in the feed room and power wash room at all times and around outside perimeters of the building

C. In lab:

1. Monthly bacterial culturing of:

- Raw semen
- Diluted semen
- Lab equipment
- Extender vat
- Semen & vat tubing
- RO/DI water

2. Semen and vat tubing:

- Must be cleaned everyday and sterilized via autoclaving

D. Contingency plans in the event of any positive results from testing:

1. Pseudorabies: Close stud immediately and stop all shipments
2. TGE: Close stud for 2-3 weeks or until clinical signs are completely over
3. Brucellosis: Do not collect that boar until there is a negative test result on supplemental tests
4. Salmonella: Do not collect that boar until it is clinically healthy
5. Swine influenza: Close stud until all animals are back on feed and clinical signs are completely over
6. Ileitis: Do not collect that boar until it is clinically healthy
7. Boar rectal temp 103° F or above: Do not collect that boar until it is clinically healthy
8. PRRSv: Close stud until status is determined

