

Pig Health – Handling Boar Semen on Farm

First Name:		Last Name:		
Email:			Veterinary Practice:	
Postcode:		Date:		

Please circle one answer only e.g. **A**

- The start point of pig production is
 - Insemination
 - Pregnancy diagnosis
 - Farrowing
 - Weaning
- Following collection of semen at a commercial stud the sample will be assessed for which of the following?
 - Morphology
 - Sperm density
 - Motility
 - All of these
- A single vial of extended semen for AI use will usually contain
 - 70-80 sperm
 - 2-3 million sperm
 - 2-3 billion sperm
 - The whole ejaculate
- Which of the following statements is true of semen assessment in the laboratory?
 - It is not possible to measure the likely success of a sample in achieving fertilisation
 - Motility is a direct indicator of future success in achieving fertilisation
 - Morphology is a direct indicator of future success in achieving fertilisation
 - The presence of 50% live normal semen will guarantee success
- Which of the following statements is true regarding the pooling of semen?
 - It increases the number of doses available
 - It is the AI equivalent of cross mating
 - It kills off the semen of one source or the other.
 - It should only be done at the commercial farm
- Semen is diluted or extended at the commercial stud to
 - Kill off bacterial contamination
 - Kill off viral contamination
 - Extend life allowing distribution and use on farm
 - Ensure no major viral diseases are spread in semen
- With on farm semen collection and processing for AI use
 - Semen should not be diluted
 - Semen should be diluted to give a measured dose of 2-3 billion sperm/70ml vial
 - Semen should be diluted 1:1
 - Semen should be diluted between 1:4 and 1:10 by volume
- Once semen is delivered to the farm
 - It should not be used for 7days
 - It should be used within 12hrs
 - It should be used within 48hrs if possible
 - It will last for several weeks

9. Storage of AI vials on farm
 - a. Should be at a consistent 16-18°C
 - b. Should be at room temperature
 - c. Should leave vials undisturbed until use
 - d. Should be in the polystyrene container in which they were delivered.

10. Which of the following is true of diluted semen in AI vials?
 - a. It contains antibiotics to treat uterine infection in the sow
 - b. Antibiotics are included at low levels to suppress multiplication of contaminant bacterial in the vial
 - c. Antibiotics are included at low levels to suppress multiplication of contaminant viruses in the vial
 - d. It always contains antibiotics