

Name: _____ Class: _____

Proper Artificial Insemination Technique Quiz

Answer Key

1. At what temperature should you thaw sperm?
a. 35 °C or 95 °F
2. How many sperm are found in the average bull ejaculate?
a. 10 billion sperm
3. How many sperm does an AI company put in a straw?
a. 20 million sperm in each straw
4. Why are the numbers in question 2 and 3 different?
a. You need less sperm in AI because you are placing it closer to the ovaries. Also, the sperm used in AI is placed in the Uterus, and has already bypassed the cervix. The cervix is designed to limit entry into the uterus. Also, the vagina is responsible for flushing foreign objects out of the tract so they cannot get into the uterus and cause infection.
5. What is the best sign of estrus in cattle?
a. The animal will stand to be mounted
6. At what angle should you insert the tip of the AI gun into the vagina?
a. 30-45 degrees upward
7. Where is the semen deposited in the cow's reproductive tract?
a. Right past the cervix in the uterine body
8. What landmark structure should you find first during rectal palpation?
a. The Cervix
9. Estrous detection in cattle requires careful observation and many estrous periods are missed. Describe two aids that we talked about that help detect cows showing mounting behavior (2 points)
a. Paint/chalk markers put on rump of animal
b. Kamar patches – color change devices – pressure activated
c. Estrotect patches – scratch off color change devices
d. Chin ball markers – on androgen treated female or sexually altered male