

Goat Non-Surgical Al Workshop

An Introduction to Buck Collection and Semen Handling

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Collection of Semen from a Buck

Why do it?

- Allows buck's fertility to be estimated
- (a complete Breeding Soundness Exam would need to be done by a veterinarian)
- Timed AI may be completed on-farm with freshly collected semen
- Sale of frozen semen to other farms (???)

What does it take to collect a buck?

- Training!!!
- A safe, elevated stand
- A doe in heat
- Some semen collection equipment
- Knowledge of buck's DISEASE STATUS



 Collection of semen from a buck may be challenging, but it is probably the easiest aspect of inseminating with your own animals' semer

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View of room and equipment needed to evaluate, package and store buck semen

- Compound microscope (with camera attached to a flatscreen TV)
- Temperature-controlled water bath
- Liquid nitrogen tank(s) and a reliable source of Liquid Nitrogen
- Pipettors
- Disposable tubes, slides, semen straws, tweezers, etc.
- Specialized liquid media for suspending sperm cells
- Additional media for chilled or frozen semen storage



Your Semen Lab should be clean and temperature-controlled!!!

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Alternative: Use frozen semen straws from a reputable company with experience in the techniques

- 1. The cost to purchase a straw of buck semen is a bargain when you consider the investment infacilities, equipment and expertise
- 2. Take time to understand the process used to estimate each stud buck's genetic value, and how it might affect your herd
- 3. Always ask about the company's procedures for ensuring that their collection bucks are free of worrisome diseases
- 4. With purchased semen straws, your main worry will be keeping them frozen and handling them correctly during thawing and insemination (Nitrogen tank waterbath and AI equipment)
- 5. Access to a microscope allows you to "inspect" the quality of the straws that you purchased might be a good idea to test a small sample from one straw within each order

