



Goat Semen Sexing Agent – FEMALE

INDICATIONS

For increasing the percentage of female kids when artificially inseminating goats

DOSAGE

Each vial will treat one dose (0.25ml or 0.50ml) of frozen semen.

NOTICE

NANNYPLUS is a non-prescription semen additive. Federal law (US) does not require that this product be used by or on the order of a licensed veterinarian. Please check with local regulations.

DESCRIPTION

NANNYPLUS is spermagenic agent for sexing goat semen. Packaged in kit form, each dose is sealed in a vial to maintain potency during storage. The agent is activated by adding semen directly to the NANNYPLUS vial. The sexed semen is returned to the original straw and inseminated as usual.

MODE OF ACTION

NANNYPLUS works by enhancing the fertility of the X-chromosome bearing (female) sperm and slowing the fertility of the Y-chromosome bearing (male) sperm. When inseminated, the sperm sort in the reproductive tract of the nanny. The result is more ova fertilized by the X-chromosome bearing (female) sperm. The average female sex ratio is increased to 80-85% and fertility boosted 5-15% compared to normal semen.

KIT INSTRUCTIONS

- Warm NANNYPLUS vial to 96-101.5°F (35.6-38.6°C) to prevent cold shock.
- Thaw semen at 96-101.5°F (35.6-38.6°C)
- When semen is in a straw (0.25 or 0.5ml), cut the straw at a 60° bevel using a good pair of sharp scissors.
- Pre-puncture seal with 14G needle and insert the cut-end of semen straw through the rubber septum into the NANNYPLUS vial.
- Add semen to vial by grasping both the vial and straw in the palm of the hand and "shaking" downward 3 or 4 times (similar to shaking a glass thermometer). Be certain all semen is in the vial.
- Gently mix semen with contents of vial.
- Transfer enriched semen from the vial back into the straw. Do this by grasping vial and straw in an inverted position and "shaking" downward 3-4 times. Be certain all semen is transferred to straw.
- IMPORTANT: Incubate the semen in water bath for 10-20 minutes at 96-101.5°F (35.6-38.5°C). Do not exceed 20 minutes.
- Remove from water bath, dry, and cut the bevel from straw. Load into insemination gun and inseminate as usual.

Note: When semen is stored in an ampoule, follow the above procedure but transfer semen to and from NANNYPLUS vial using a pipette.

TIMING OF INSEMINATION

- When breeding from observed heat (natural or synchronized): Breed 16-24 hrs following first standing heat.
- When breeding with timed AI (TAI) protocols:
 - a. CIDR® + PMSG + PG Method: CIDR® + PMSG (P.G. 600®) + PG (Lutalyse®). TAI 52-60 hours after CIDR withdrawal.
 - b. CIDR® + PMSG Method: CIDR® + PG (Lutalyse®). TAI 60-72 hrs after CIDR withdrawal.
 - c. NC Synch Method: Double PG (Lutalyse®) + GnRH (Cystorelin®) on day 14. TAI 50 to 72 hours following last PG injection.
 - d. IMA.PRO2® Method: Employing "buck effect" + 25 mg progesterone (day 0) + PG (Lutalyse®) on day 9. TAI 50 hrs after PG.
- Super-ovulated nannies: Breed at 35 hr and 48-50 hr following first onset of heat. Breed with multiple doses when using frozen semen.

STORAGE CONDITIONS

For long-term storage keep in freezer (-15°C).

HOW SUPPLIED

NANNYPLUS is produced in the following package sizes: 0.25, 0.5 ml and 20 unit vials.

WARNINGS - KEEP OUT OF REACH OF CHILDREN.

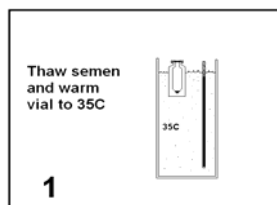
Manufactured by: **EMLAB GENETICS, LLC**, Arcola, IL 61910 USA
For more information, call 708-442-3964 or log on to www.emlabgenetics.com

NANNYPLUS™ is a trademark of **EMLAB GENETICS, LLC**

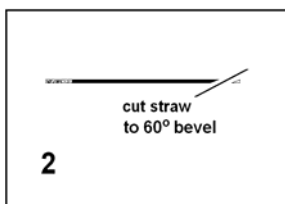
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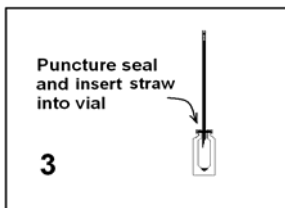
KIT INSTRUCTIONS



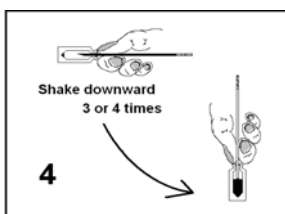
1. Warm the vial to 96-101.5°F (35.6-38.6°C) using a water bath, tube warmer or incubator for a few minutes (to prevent cold shock). Thaw semen as usual.



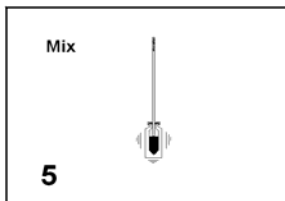
2. Remove from water bath. Dry. Cut straw to a 60° bevel with sharp scissors.



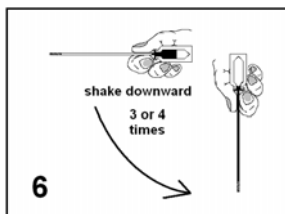
3. Puncture seal with 14G needle and insert the cut-end of the straw into the vial.



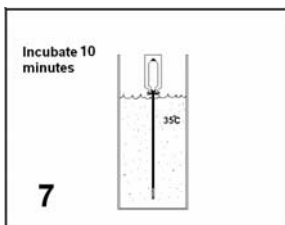
4. To add semen to the vial, grasp both the vial and straw in the palm of the hand and "shake" downward 3 or 4 times (similar to shaking a glass thermometer). Be certain all semen is in the vial.



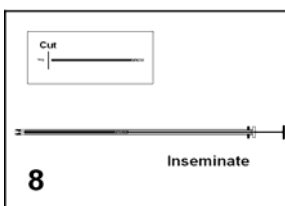
5. Gently mix semen with contents of vial.



6. Transfer the enriched semen from the vial back into the straw. Do this by inverting the vial and straw, and "shaking" downward 3-4 times. Be certain all semen is in the straw.



7. Incubate the semen in water bath for 10 minutes at 96-101.5°F (35.6-38.5°C).



8. Remove straw from water bath. If necessary, cut bevel from straw. Load straw into insemination gun. Inseminate as usual.