

# Artificial insemination – Part 4: Procedure

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**In the previous *Ubisi Mail* (March 2008, page 25), we discussed the preparation for the insemination process. Now that we are prepared, we can inseminate the cow. The whole process must take place as quickly as possible.**


## The semen straw

- Remove the semen straw from the flask and immediately place it into the warm water of between 35°C and 37°C for 20 seconds.
- Check to see that the end of the straw to be cut off is at the top. Double check the identification number on the straw.
- Remove the straw from the thermos flask and dry it with a clean paper towel.
- Insert the straw into the pistollet. For stability, hold the straw with a forefinger and thumb and allow the pistollet to rest against the palm of the hand.
- After the straw is positioned in the pistollet, cut off half of the protruding part of the straw.

## The sheath

- Pull the sheath over the semen straw and pistollet very carefully. Ensure that the straw fits easily into the green adapter in the sheath.
- Handle the sheath only at the open end. Never touch the shaft or tip that enters the animal's reproductive tract. This is to avoid contamination that may lead to infections of the genital tract.
- Before the sheath reaches the enlarged area of the pistollet shaft, push up the plastic ring on to the shaft so that the sheath can be slipped through the ring.
- Push the sheath over the enlarged end of the shaft as far as possible. Secure with a small twist of the ring and push down towards the rim of the pistollet.
- Depress the plunger slowly to remove the air in the straw until a drop of semen becomes visible.
- Put a sanitary sheath over the pistollet to prevent contamination before it enters the reproductive tract of the cow.

## The insemination

- Put on a shoulder-length glove. Apply lubricant over the glove and position yourself behind the cow. Have a paper towel or cotton wool ready.
- If you have an assistant, he must lift up the cow's tail and be ready to clean the vulva. If you work alone, move the cow's tail towards the outside of your arm.
- Carefully enter the rectum with the gloved arm. Remove faeces with gentle scooping movements.
- With the hand that is in the rectum, put a slight backward and downward pressure on the pelvic floor to open the vulva lips. Now you can insert the pistollet into the vagina, without touching the vulva lips.
- The cervix must be located to complete the insemination process. The inseminator must identify and manipulate the cervix with the hand inside the rectum.
- Your fingernails should be short so that they do not tear the glove and injure the mucus membrane of the rectum.
- When inseminating, your body, your elbows, shoulders, hips and knees must be at ease. 

# The insemination procedure

Die inseminasieprosedure • Ubuciko bokuzimithisela • Indlela yokumisela kwemazi yenkomo • Mokgwa wa ho kenya peo ya botona ka letsoho

Get instruments ready to use.

Kry instrumente gereed vir gebruik.

Lungisa izinto zokusebenza zilungele ukusetshenziswa.

Lungisa izixhobo zilungele ukusetyenziswa.

Lokisa disebediswa tseo o tiilo di sebedisa.

- Place thermometer in the thermos flask close to the nitrogen flask.
- Plaas die termometer in die termofles naby die stikstoffles.
- Beka into yokuhlola ukubanda nokushisa kwisiqandisi se thermos eduze kwe-siqandisi se nitrogen.
- Faka ithemomitha kwiflaskhi egcina ubushushu kufutshane neflaskhi yentrojini.
- Kenya thermometer ka hara thermos flask haufi le nitrogen flask.
- Warm pistol.
- Maak die pistolet warm.
- Fudumeza isibhanyana.
- Fudumeza ipistolethi.
- Futhumatsa pistolet.
- Thaw semen.
- Ontdooi die semen.
- Fudumeza isidoda.
- Fudumeza imbewu yobunkunzi.
- Futhumatsa peo ya botona.
- Remove straw and dry with a clean paper towel.
- Verwyder die strooitjie en droog dit met 'n skoon papierhandoek af.
- Khipha isitilo bese uyasomisa ngethawula lephepha elihlanzekile.
- Khupha istro usomise ngephepha elicocekileyo.
- Tlosa lehlaka e be o phumola ka thaole ya pampiri e hlwekileng.
- Insert the straw into the pistol.
- Sit die strooitjie in die pistolet.
- Faka isitilo esibhanyaneni.
- Faka istro kwipistolethi.
- Kenya lehlaka ka hara pistolet.



## Technique • Tegniek • Ubuciko • Ukumiselwa • Mokgwatshebetsa

- Stand behind the cow.
- Staan agter die koei.
- Yima ngemuva kwenkomo.
- Yima emva kwemazi yenkomo.
- Ema ka mora kgomo.

- Clean the vulva.
- Maak die vulva skoon.
- Hlanza ingaphandle lesibumbu.
- Coca umva wemazi.
- Hlwekisa bokantle ba botshehadi (vulva).

- Remove faeces.
- Verwyder die mis.
- Susa ubulongwe.
- Susa intsalela yobulongwe engaba ikho.
- Tlosa mantle.

- Apply downward pressure to open vulva lips.
- Sit 'n afwaardse druk op die vulvalippe.
- Cindezela ngamandla ubhekise phansi ukuvula amalebe esibumbu.
- Vula umva wemazi ngokunyanzelisa usihla.
- Hatella ho ya tlase hore o bule dipou nama tsa bokantle ba botshehadi.

- Insert the pistolet into the vagina with out touching the vulva.
- Sit die pistolet in die vagina sonder om aan die vulva te raak.
- Faka isibhanyana esibunjini ngaphandle kokuthinta amalebe.
- Faka ipistoletli kwisizalo semazi ungawuchathanga umva wemazi.
- Kenya pistolet ka hara botshehadi ntle le ho thetsa bokantle ba botshehadi.

- Locate cervix.
- Kry die baarmoeder.
- Thola isibeletso.
- Khangela umlomo wesizalo.
- Sheba molala wa popelo (cervix).

- Inseminate and remove.
- Insemineer en verwyder.
- Thulula bese uyakhipha.
- Faka imbewu yobunkunzi uze uyikhuphe ipistoletli.
- Kenya botona e be wa tlosa. [UM](#)

