

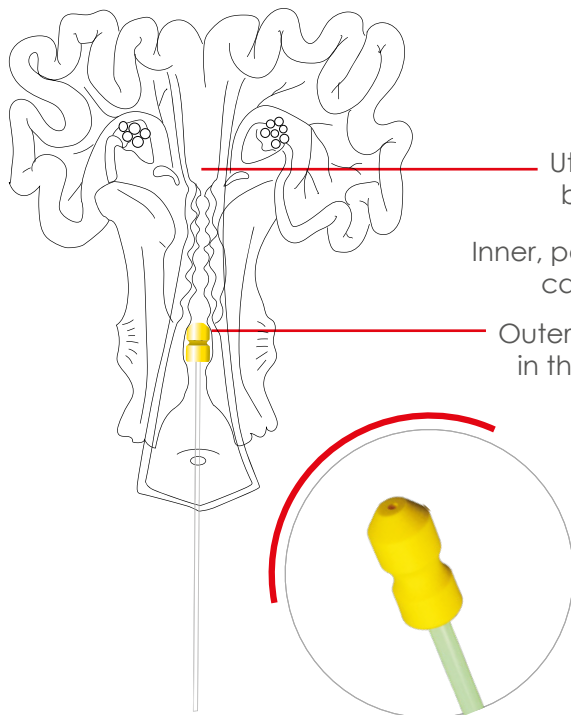


Insemination catheter range: cervical and post cervical

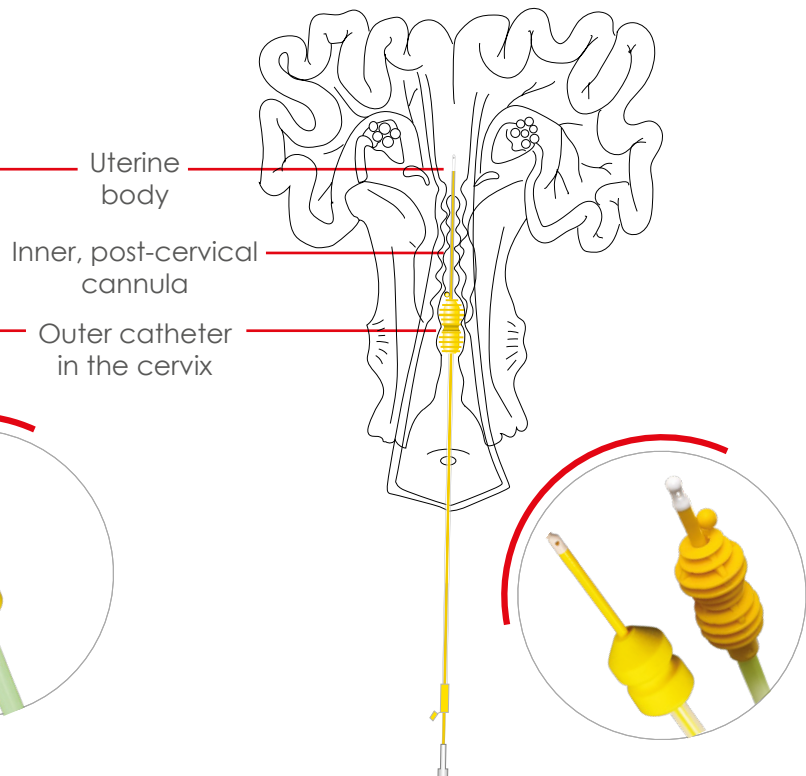
Quality - Performance - Animal welfare



Cervical insemination



Post cervical insemination



- Estrus detection at least one hour after feeding, using a boar.
- Insemination at standing heat .
- Stimulation by staff during insemination is essential.
- Sperm dose volume 75-90 ml; 2,0-2,5 M sperm per dose.
- Females in strong estrus will take the dose without the need to. Squeeze the semen package.

- Insemination at the refractory period.
- No boar stimulation during the insemination.
- Sperm dose volume 35-50ml; 1.0-1.5M sperm per dose possible.
- Dose content can be squeezed during the insemination.
- Clear PCAI protocol and good training needed.

Benefits of post cervical insemination



Male side:

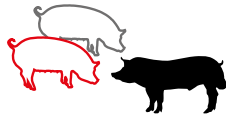
- **Economic impact:** reduce boars by up to 30%.
- **Increase efficiency:** more doses produced per boar per year.
- **Genetic progress:** can be achieved faster and at a lower cost.

Female side:

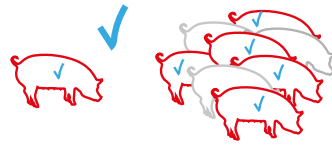
- **Efficient use of labor:** can reduce the time invested in breeding.
- **Increase performance:** more efficient use of semen.
- **Genetic progress:** ability to use elite boars across more females.

Steps for post cervical insemination

1 Heat detection



Bring the boar.

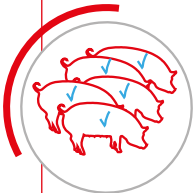


Identify females in heat and separate them from the boar.

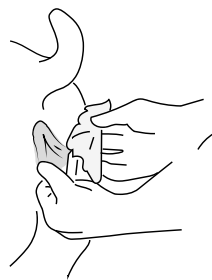


Let the sows rest for at least 10-15 minutes.

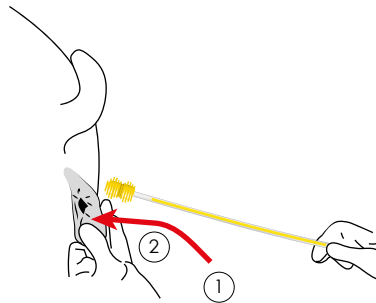
2 Hygiene and insertion of the catheter



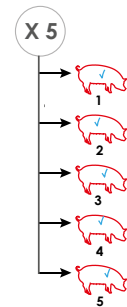
Work with a group of 5 sows.



Clean the vulva.



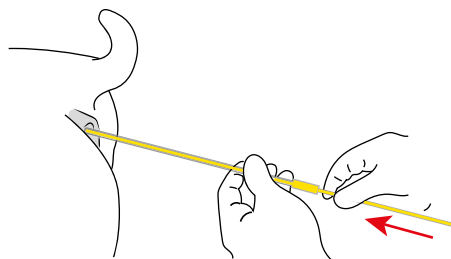
Add lubricant to the outer catheter. Insert the catheter at an upward 45° angle (to avoid penetrating the urethra). Push inward to lock it onto the cervix.



Do the same with the other 4 sows.

*If catheter individually packed: pre open the bag and insert the catheter in the vagina and let it around the catheter to protect inner catheter.

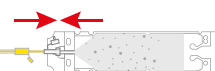
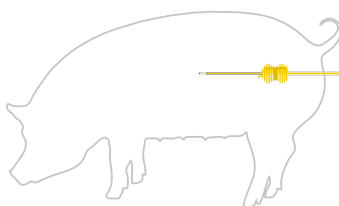
3 Inserting the internal catheter and depositing the sperm dose



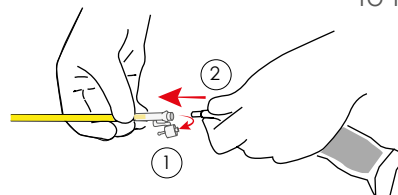
Go back to the first sow and push gently the intrauterine catheter inside the uterus.



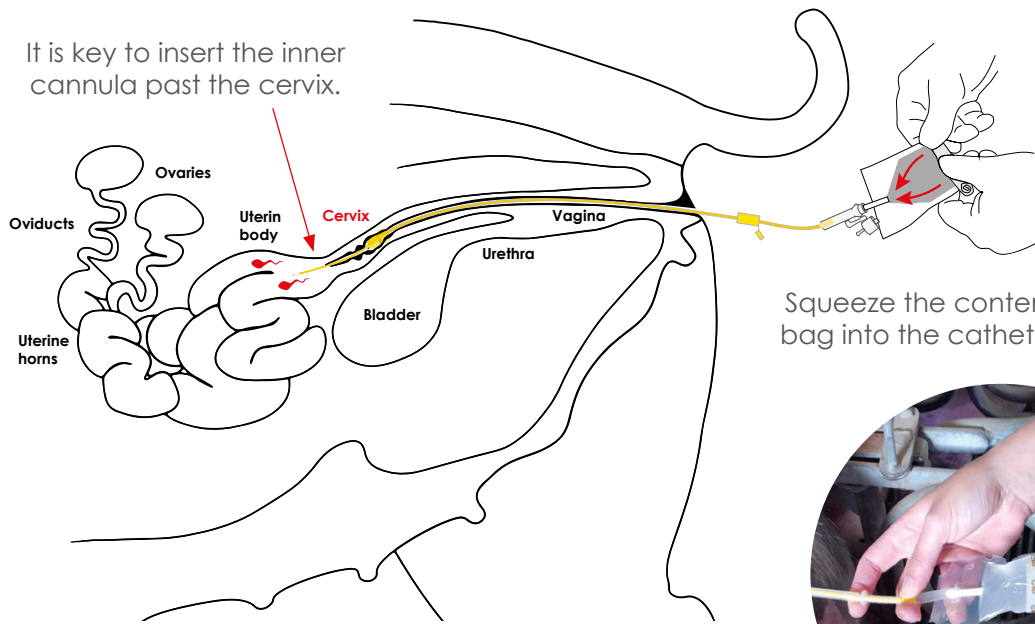
Remove the dose from the temperature controlled box and homogenize gently.



Attach the dose to the catheter.



It is key to insert the inner cannula past the cervix.



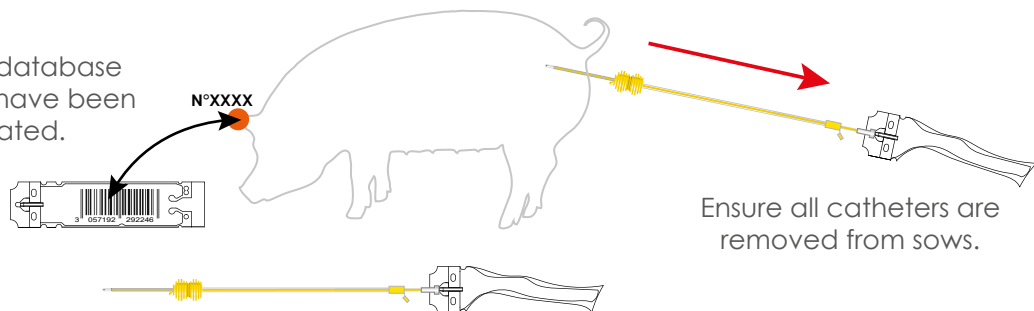
Squeeze the contents of the bag into the catheter gently.

If the inner cannula cannot be pushed through the cervix, wait 15 minutes and try again. If it is still not possible, inseminate conventionally.



4 Final step

Enter in the database all sows that have been inseminated.



Ensure all catheters are removed from sows.

5 Second insemination

24 H

Second insemination
24hours later.
Repeat step 1 to 4.



Quality excellence: our utmost priority

In the intricate field of swine reproduction, every detail matters. Our products hold a central place in this process. At IMV, we are wholeheartedly committed to delivering impeccable quality because we understand that achieving excellence in swine reproduction leaves no room for compromise.



ISO 9001:2015 certified: our commitment to quality is certified by ISO 9001:2015 standards, ensuring rigorous quality management.

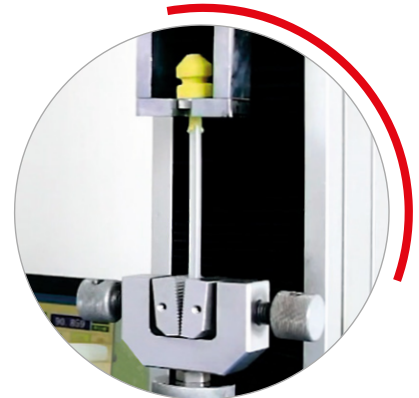


Food-grade material: our catheter's tube material is subjected to food-grade testing, guaranteeing the highest safety standards.

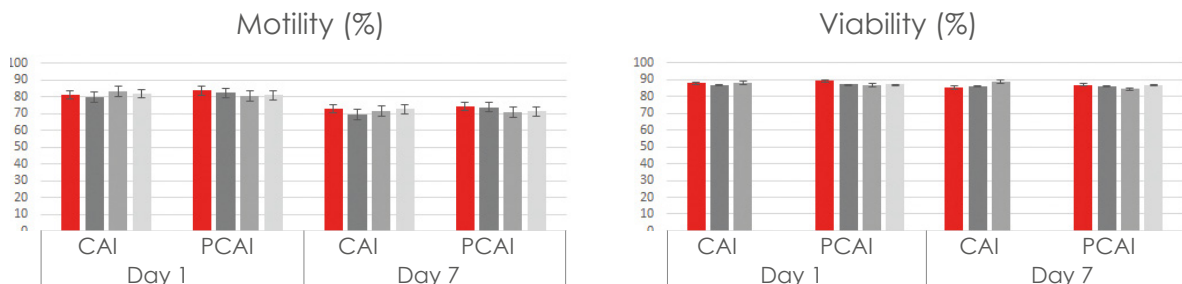
Stringent hygiene protocols: our employees adhere to strict hygiene regulations, ensuring the utmost cleanliness and safety in every step of the production process.



Comprehensive quality testing: each batch undergoes through quality tests, including visual and dimensional checks; resistance tests; as well as internal and external toxicity assessments on semen.



IMV Technologies catheters are proven non toxic



■ control semen ■ GoldenPig ■ GoldenGilt ■ Soft&Quick

n=9 boars
Semen passed through catheters and then stored at 17°C 7 days.
CASA motility and viability analysis done at Day 1 and 7.

CAI: Cervical Artificial Insemination
PCAI: Post Cervical Artificial Insemination



Swine catheter range

Cervical

GoldenPig - Sow

Box of 500 units
 029807 GOLDENPIG by 1
 029808 GOLDENPIG by 25



Optional:
 029810 extension tube
 100pcs/bag

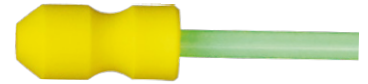


Soft foam head for improved lock in the cervix, efficient stimulation, and to prevent backflow.

Two tailored head designs:
 Optimal fit for sows and enhanced animal comfort with a smaller design for gilts.

GoldenGilt - Gilt

Box of 500 units
 029806 GOLDENGILT by 1
 029805 GOLDENGILT by 25



Post Cervical

FOAM

DeepGoldenPig - Sow

Box of 500 units
 029802 DEEPGOLDENPIG by 1
 029804 DEEPGOLDENPIG by 25



Combined cervical and intrauterine catheter for precise semen deposition beyond the cervix.

Optimized inner catheter:
 Smooth, kink-free design for easy cervical passage.

DeepGoldenGilt - Gilt

Box of 500 units
 029809 DEEPGOLDENGILT by 1
 029803 DEEPGOLDENGILT by 25



MULTIRING

Soft&Quick - Sow

Box of 500 units
 029820 SOFT&QUICK sow by 1
 029818 SOFT&QUICK sow by 25



Soft&Quick - Gilt

Box of 500 units
 029819 SOFT&QUICK gilt by 1
 029817 SOFT&QUICK gilt by 25



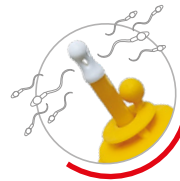
Connector

- Universal
- Sanitary plug
- Can be closed off after semen is deposited



Hygiene ball

- Seals & protects the inner rod
- Easily dislodged by pushing the rod through at the time of insemination



Dual side delivery tip

- For better performance
- Bilateral flow into the uterus
- Rounded tip
- Reduce risk of injury



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