

NeXcell

POULTRY SEMEN HIGH PROTECTION MEDIUM



EFFICIENCY
FLEXIBILITY
SERENITY

Antibiotic-free

Ref : 025018



IMV TECHNOLOGIES. FOR LIFE.

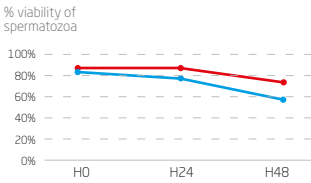
IMV Technologies has developed a new poultry semen storage medium formulation which is **antibiotic-free**. This medium contains different molecules such as **antioxidants** and **membrane protection** to maintain the viability and functional state of the spermatozoa.

This medium therefore provides the best spermatozoa protection for fresh or stored semen for inseminations.

Well-protected spermatozoa ...

A well-protected membrane

Integrity of the membrane measured by cytometry during incubation of 48h at 4°C



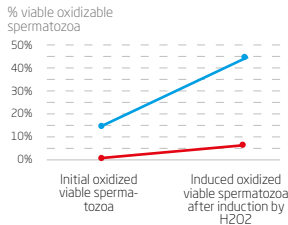
Viability well maintained thanks to **membrane protection** after 2 days at 4°C with NeXcell.

— NeXcell — BPSE*

*BPSE: Beltsville Poultry Semen Extender

Optimal protection against oxidation

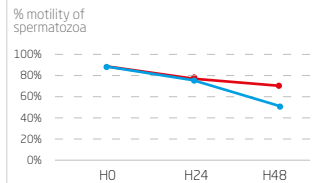
Level of oxidation of spermatozoa measures by cytometry after 24h at 4°C



NeXcell was created to protect spermatozoa against peroxidation, thanks to the presence of **antioxidants**.

Well-preserved mobility

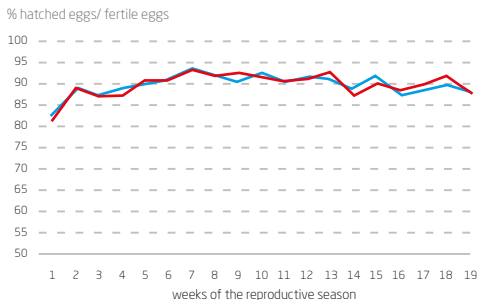
Integrity of the membrane measured by cytometry during incubation of 48h at 4°C



The combined effects of all the elements comprising **NeXcell** conserve a good level of motility of the spermatozoa over time.

...for optimal fertility results from fresh or stored semen.

Example of stored semen - % hatching / fertility

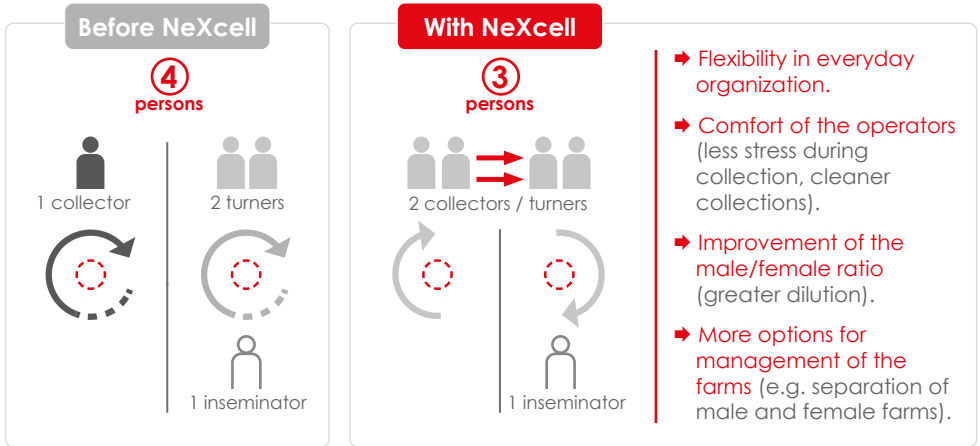


Level of performance maintained after 6h at 4°C. Inseminations made with a 3-person rather than a 4-person team.

— IMV 30mins Ambient temperature
 — NeXcell 6h 4°C
 n=2700 Nicholas females, 250,000 incubated eggs, Italy

EFFICIENCY - FLEXIBILITY - SERENITY

Requires 1 less person per stored semen insemination workstation



After having tried out NeXcell, they use it for fresh and stored semen!



Testimony of Robert Wehrlen,
Palmiped Breeding Technical Director

“ The Nexcell **secures the performance level** by smoothing results regardless of the events that may arise during a production cycle.

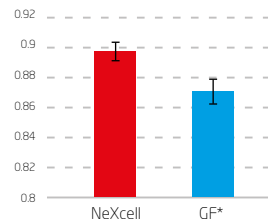
The NexCell is easy to use and has allowed us to simplify our semen conditioning and preparation procedures.

Right from the first stored semen test we witnessed **improved fertility** of the eggs, mainly a reduction in the percentage of unfertilized eggs.

For stored semen use of the **NeXcell medium has reduced the reduction in fertility** seen on days D+3 and D+4 after AI. It probably improves storage and the release of spermatozoa in the utero-vaginal glands. We now use the **NeXcell for all our production** i.e. for **stored semen** but also for **fresh semen**. ”



Fertility



*GF : Grimaud Frères



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