



Novistar[®]

Essential extender for long term preservation of boar semen



LONG TERM

High performance, reliable safety, best value for money



Superior stability and fertility

Novistar[®] excels with a highly efficient pH buffer system and a powerful combination of antioxidants and membrane protectors. It supports the sperm cells with the latest generation of energy precursors through long term preservation during storage and transport.

The **Novistar**[®] formula features a balanced structure that maintains the fertilizing capacity of sperm at a superior level from day one compared to traditional extenders.



Heat stress protection

Antioxidants and membrane protectors are proven to protect semen from heat stress in warm environments. **Novistar**[®] ensures sperm integrity and fertility even in challenging conditions.



High biosecurity and safety

Novistar[®] is a completely synthetic medium and contains no animal protein. This makes it a very safe solution for high biosecurity laboratories.

Provided with a highly protective combination of antibiotics, **Novistar**[®] successfully fights the most prevalent bacteria. As with all Minitube boar semen extenders, it avoids the use of WHO reserve antibiotics, which must be used exclusively for the treatment of human disease.



(+ Budget-friendly excellence

- ▷ Designed to protect boar sperm during long term storage and transport
- ▷ Highly effective buffering system
- ▷ Excellent bacteriostatic effect
- ▷ Best semen protection capacity at a reasonable cost
- ▷ Free of animal protein
- ▷ Production and quality control according to Minitube's certified GMP standard



Options

Novistar[®] with Ampicillin and Apramycin

1 liter	13539/0001
5 liters	13539/0005
10 liters	13539/0010
100 liters	13539/0100



Uncompromising quality standards

Novistar[®] is produced in Minitube's GMP certified production facility under highly hygienic conditions. All components and batches are subject to third party quality control in an accredited laboratory.



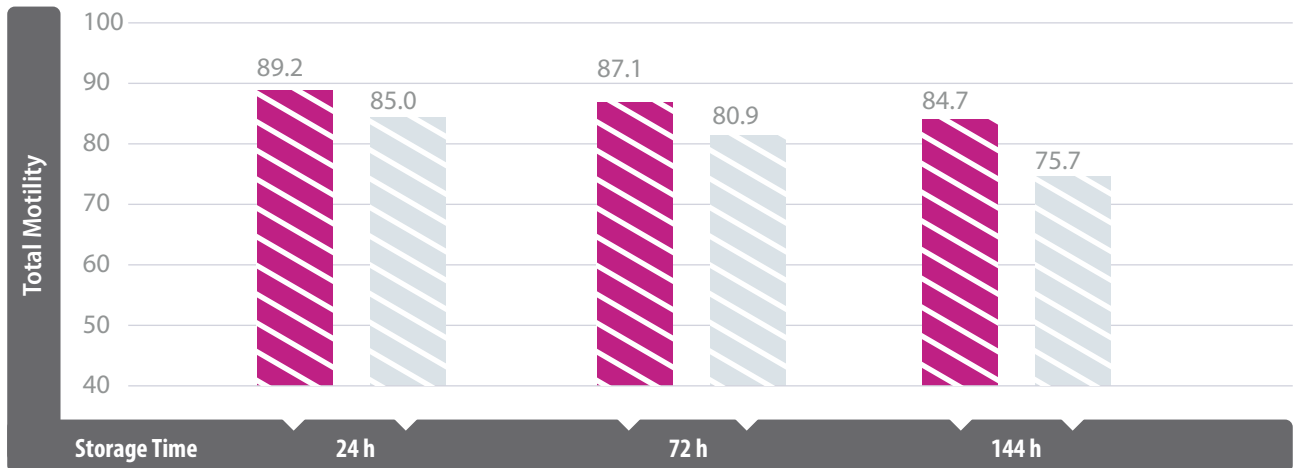
Novistar® performance data

57 ejaculates, 2 test groups (Novistar® and control extender), standard processing: semen dilution at 32°C, filling of semen into tubes at room temperature, cooling at room temperature for 1.5 h, then storage at 17°C.



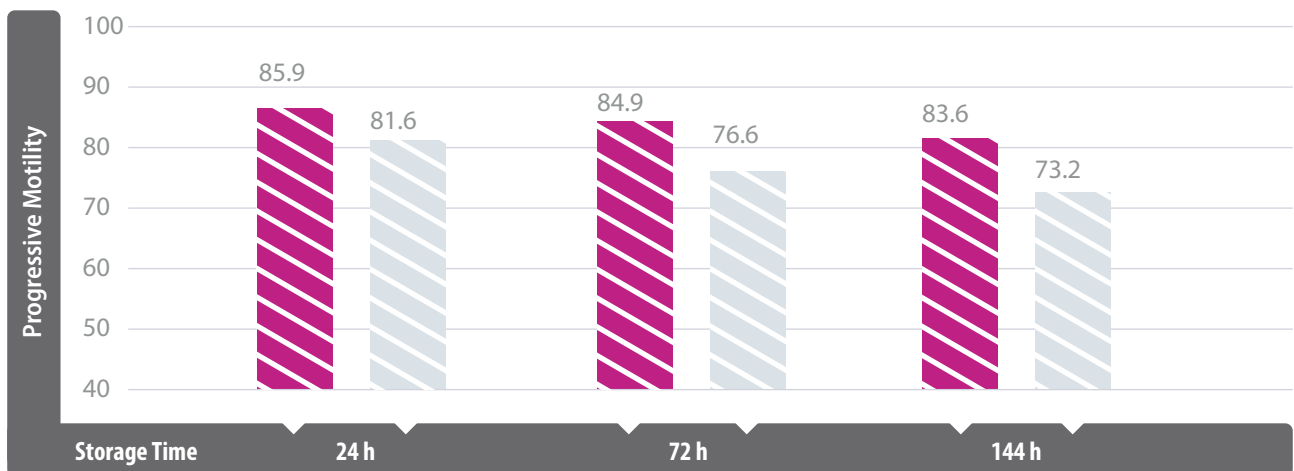
Total Motility (%; AndroVision®)

Novistar® Control



Progressive Motility (%; AndroVision®)

Novistar® Control



customer
reference



"We switched from BTS to Novistar in January 2024 and have been very pleased with the results. The long-term extender gives us more flexibility in our processes and the semen doses maintain their quality well even after several days of storage. Overall, we're happy with Novistar and feel that it offers a good balance between cost and performance."

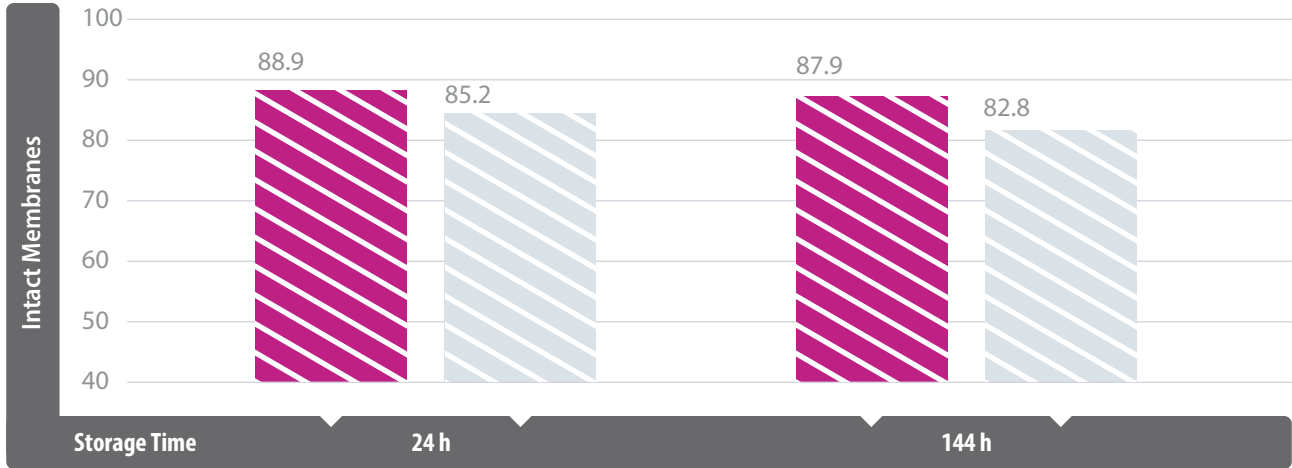
Paul Latijnhouwers, Fokkerij Centrum Nederland B.V.





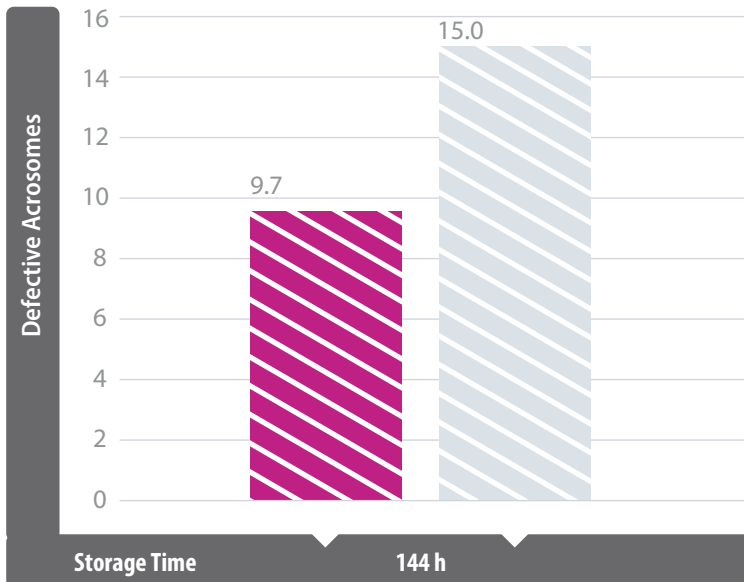
Intact Membranes (%; CytoFlex flow cytometer PI-/FITC-PNA)

Novistar®
Control



Defective Acrosomes (%; wet mount)

Novistar®
Control



When it comes to quality, trust the best:

Minitube, the only GMP certified boar semen extender manufacturer!