



Androstar® Premium

LONG TERM

Premium extender for high protection and long-term preservation of boar semen

Androstar® Premium long-term extender for boar semen is based on an innovative combination of protective molecules. Specialised antioxidants are combined with a variety of highly effective membrane protecting agents.

External influences on the sensitive sperm cells are effectively buffered over a wide temperature range from +5° to +25°C. Boar semen can therefore be preserved in an optimal stage under diverse conditions and over a long time interval.

Boar studs gain freedom of operation by using Androstar® Premium which provides greater latitude in acceptable semen temperature fluctuations and processing schemes.

Enhanced quality

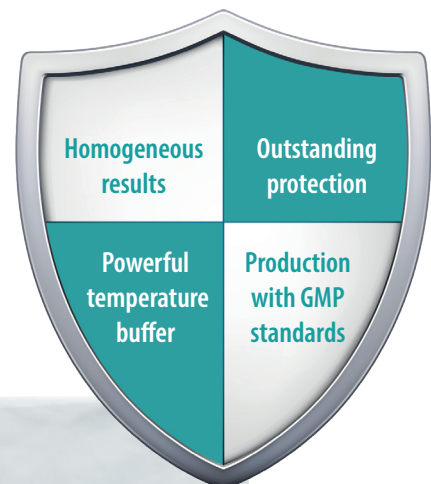
- Outstanding preservation properties
- High stress resistance: more homogeneous results
- Increased viability of each ejaculate: more piglets per boar

Increased protection

- Long-term protection without BSA
- Unique proprietary membrane and viability stabilising components help sperm to maintain their integrity throughout diverse ambient conditions and long term.
- Free of animal proteins
- Exceptional protection against unintended temperature fluctuations
- Ability for preservation at +5°C, e.g. when resistant bacteria contamination prevents storage at +17°C
- Reliable supplier: GMP certified production

Certificates

An all encompassing certificate of quality and a certificate of analysis for a specific batch are provided on request.





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Packaging sizes

Androstar® Premium with Gentamicin

1 liter	REF. : 13533/1001
5 liters	REF. : 13533/1005
10 liters	REF. : 13533/1010
100 liters	REF. : 13533/1100

Androstar® Premium with Ampicillin and Apramycin

1 liter	REF. : 13533/3001
5 liters	REF. : 13533/3005
10 liters	REF. : 13533/3010
100 liters	REF. : 13533/3100

Androstar® Premium with Aminoglycosid/Cephalosporin/ Gentamicin

1 liter	REF. : 13533/2001
5 liters	REF. : 13533/2005
10 liters	REF. : 13533/2010
100 liters	REF. : 13533/2100

Androstar® Premium with Gentamicin, Lincomycin and Spectinomycin

1 liter	REF. : 13533/4001
5 liters	REF. : 13533/4005
10 liters	REF. : 13533/4010
100 liters	REF. : 13533/4100

Androstar® Premium without antibiotics

1 liter	REF. : 13533/0001
5 liters	REF. : 13533/0005
10 liters	REF. : 13533/0010
100 liters	REF. : 13533/0100

Why are Minitube extenders safer?

Boar semen extenders are not all the same. The uniform and outstanding quality of the extender mixtures from Minitube is based on stringent quality control starting with each batch of raw material and ending with the final mixture. Before a given batch of extender can be approved for sale, chemical and physical tests are performed to prove purity of the components. In addition, independent tests with spermatozoa are done in the German reference laboratory to demonstrate the preservation properties of the final mixture.

We use GMP (Good Manufacturing Practice)-certified quality control standards at each stage of production. Our quality assurance measures combined with complete documentation at each stage in production guarantee security and success.

Literature

DE ALCANTARA MENEZES T., ET AL., 2020: Antibiotic-free extended boar semen preserved under low temperature maintains acceptable in-vitro sperm quality and reduces bacterial load. THERIOGENOLOGY, Volume 149, p. 131-138.

GROSSFELD R., ET AL., 2016: Antibiotic-free hypothermic storage of boar semen in Androstar+5 extender results in similar fertility results compared to semen stored at 17 degrees C in extender with antibiotic content. ANIMAL REPRODUCTION SCIENCE, Volume 169, p. 125.

LE THI X., ET AL., 2019: Potent semen extenders counteract vibration-induced injury in longterm stored boar spermatozoa. THERIOGENOLOGY, Volume 137, p. 130.

WABERSKI D., ET AL., 2019: Sperm function in vitro and fertility after antibiotic-free, hypothermic storage of liquid preserved boar semen. SCIENTIFIC REPORTS, Volume 9.