



ACROMAX® Long-Life, +7 days



EXTENDER FOR BOAR

SEMEN PRESERVATION

ACROMAX® is a long-life boar semen extender thanks to balanced formula ensures a physical-chemical control medium, creating the conditions for maintaining optimal conditions sperm cells.

In appropriate working conditions in Boar Stations ensures the preservation of boar semen by cooling at 15° C for prolonged periods (7-8 days). This facilitates the work of the Boar Station, taking advantage of the maximum performance of boars and providing optimal reproductive outcomes.

In addition ACROMAX® maintains a palliative effect against disturbances that can occur semen or intrinsic problems of boar or bad manipulations performed in the laboratory of insemination.

ACROMAX® is a specific cell culture medium for the conservation of boar semen, which provides stability for the membrane and the components necessary for cellular metabolism and energy. Once it is introduced into the genital apparatus of the sow, has a flattering effect of sperm transport and fertilization itself, being totally harmless to the structures that must contact the female genital tract.

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PRESENTATION

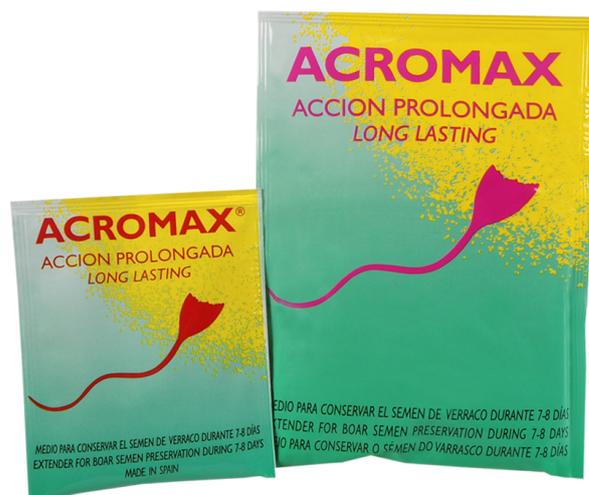
Sealed bags to dilution in distilled water.

HOW TO USE

Add the content of the bag *ACROMAX®* in the indicated volume of distilled water at 37°C.

COMPOSITION

Glucose, Sodium citrate, Excipient c.s.p..



PROPERTIES

ACROMAX® guarantees the following properties to the complex sperm-seminal plasma-extender:

- Energy source based on monosaccharides of easy assimilation for the sperm, allowing to maintain enough motility to get the maximum of fertilization.
- Presence of buffers that will control the pH in a physiological range for the semen; keeping cellular integrity and extracellular environment allowing normal activity of the spermatozoa and the medium in which it is maintained.
- Chelating action. Certain ions can have a negative effect on cell integrity, cause sperm rainfall or accelerate premature acrosome reaction, therefore we must neutralize these ions through the extender in the conservation of semen.
- Salt components that together with the rest of the other elements of the extender, achieve a osmotic pressure suitable for the sperm with a protective effect on the membranes of this cell.

➤ Structural components action:

- 1 Avoiding chromatic decondensation. The breaking of the disulfide bridges of the DNA strands imply an premature decondensation of the sperm that can cause early embryonic mortality. *ACROMAX®* has a dual action to prevent this phenomenon: on the one hand to have an effect in maintaining the integrity cell, prevents the chromatic material come to harm and on the other provide compounds that delay the breakdown of these disulfide bonds.
- 2 Protecting the acrosome. It is the most delicate part of the sperm head, being of vital importance for the fertilization of the oocyte.
- 3 Acting at the intermediate tract to promote mitochondrial metabolism and improve sperm motility in the conservation.

➤ Total safety for the animal and its environment. *ACROMAX®* extender, being a cell culture medium keeps the appropriate physiological constants during the conservation time through totally harmless compounds for the sow, personnel and material belonging to artificial insemination lab.

➤ The sum of these properties make the *ACROMAX®* extender gives optimal results of fertility and prolificacy with short-term sperm conservation (1, 2 or 3 days) and also in those long-term periods of conservation.

STORAGE AND HANDLING

- Storage in a cool, dry place.
- Protect from direct sunlight.
- Do not store close heat sources.
- Once prepared keeps it in a fridge (5°C) for 1-3 days.

EXPIRATION

Two years from the date specified on the packaging.

ORDERING INFORMATION

- *ACROMAX* (for 1 liter) Ref. **ACX001**
- *ACROMAX* (for 5 liters) Ref. **ACX005**
- *ACROMAX* (for 25 liters) Ref. **ACX025**
- *ACROMAX* (for 50 liters) Ref. **ACX050**
- *ACROMAX* (for 100 liters) Ref. **ACX100**



gestión
veterinaria porcina

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