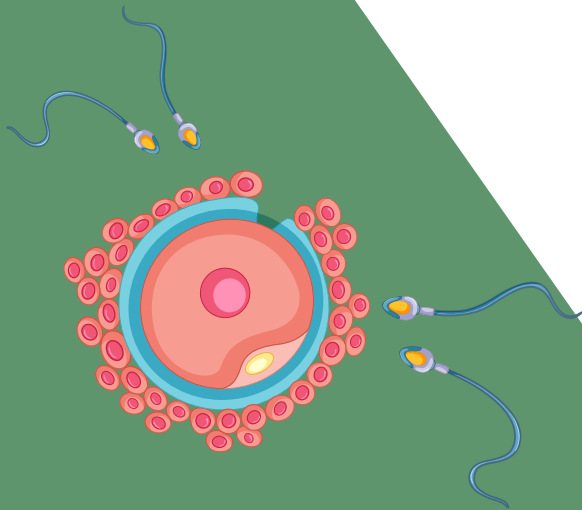




ANTIMICROBIAL FORMULATION FOR SPERM PRESERVATION

NeoGiANT proposes the use of bioactive white grape marc extracts as substitutes for conventional antibiotics in semen extenders for mammalian but also for poultry and fish. This natural-based semen extender proposed will also help to reduce antimicrobial resistance.



- Development of specific formulations to improve the existing extenders.
- Perform stability tests of formulations: short or long term refrigerated storage or freezing.
- To ensure that the properties of these innovative formulations are preserved throughout the storage time.

Microorganisms can reduce fertility and even cause infections.

- Broad-spectrum antibiotics are components in semen extenders intended for artificial insemination to control bacterial contamination and growth. However, the rate of resistance to conventional antibiotics in semen preservation media has increased.
- Demand for semen diluents is still growing and, for this reason, the development of new antimicrobial alternatives is required.
- Further research is still needed in alternative methods to know the dosage necessary to achieve efficacy without damaging sperm quality.

