GENTADEX FOR IMPROVEMENT OF SANITATION AND DILUTION OF HOGS SPERM

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Maintenance of sperm cells viability in diluted sperm of hogs is one of the important issues of reproductive biotechnology. It is known that on composition of synthetic environments of sperm diluents biological, biochemical processes in sperm cells depend, and content of antimicrobial preparations in them assists the decline of microbial contamination of sperm. Therefor for an improvement of dilution methods of hogs sperm is the important issue for the receipt of high indexes in industry of the pig breeding.

Decisive precondition for providing people with animal-origin food is a systematic regulation of development and reproduction of farm animals. Intensification of livestock and the need to improve animal productivity contribute to the further development of artificial insemination. One reason for the spread of infectious diseases of inflammatory processes in the female reproductive organs may be semen contaminated by microorganisms.

Synthetic environment for sperm dilution must meet the following requirements: neutralize the negative effect of sperm plasma and sperm excreta; have sufficient buffer capacity for acid and alkali performance, optimal electrical conductivity, neutral or close to it concentration of hydrogen ions (pH) (not less than 6.2 and not higher than 7.0), the optimal osmotic pressure, prevent harmful actions of environment (cold shock) to keep maximum fertilizing capacity of sperm. High quality requirements to semen diluents and dry environments require constant improvements.

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