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**Title:** PROCESS FOR STIMULATION AND REGULATION OF SPERMATOGENESIS AT PIGS

**Patent/project number:** Patent 1461MD/ 2019.03.26

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**Category:** D

**Description:** The essence of the invention consists in proposing a new method of stimulation, regulation of spermatogenesis based on the feeding of the sprouts feed with the ZooBioR complex bioproduct, obtained from the biomass of *Spirulina platensis* CNM-CB-02 cyanobacteria, which ensures a constant quantity and quality of the material during the year introduced as an additional component in compound feed for pigs in the amount of 3.3 g per 1 kg of feed for daily administration for 45-50 days during the critical periods of the year. The technical result of the invention is to increase by 0.17 billion / ml in autumn sperm, 0.19 billion / ml in winter, 0.20 billion / ml in summer, and 0.21 billion / ml in spring versus the closest solution and uniformization due to inclusion in the bovine ration of the ZooBioR complex bioproduct with the following composition per 1 kg of talc: Amino acid and oligopeptide extract - 3.5-5g; Phospholipids - 3.5-5g; Proteoglycans, including sulfated polysaccharides - 3.5-5g; Protein extract - 3.5-5g; Mixoxanthophil - 0.75-1.25g, which possesses antioxidant action and stimulates germ cell epithelial cell multiplication in the spermatogenesis phases. The research was carried out within the project 20.80009.5107.16, funded by NARD, Republic of Moldova.

**State of development:** The product is used at the Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine and PhD thesis