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Application of spermogram classification for evaluation of the semen morphology of a boar or a group of boars

S u m m a r y

The investigations were carried out on 594 ejaculates collected with manual technique from 107 boars owned by the Mazovian Centre of Animal Breeding and Reproduction. The microscopic examination of morphological structure of 500 spermatozoa was performed in each slide according to Blom classification. The classification of spermogram quality in the 6-degree scale was elaborated in order to compare sperm morphology individual males. The scale enabled the authors to mark the ejaculates from 0 (for ejaculates with the worst sperm morphology) up to 5 (for ejaculates with the best sperm morphology). It was found that the evaluation based on the classification of many spermograms of a boar or a group of boars enables determining what part of ejaculates is highly suitable for insemination and how many ejaculates is not suitable or may result in lower efficiency of fertilization.