

ESTIMATION OF MEDIA, THAT USE FOR THE RECEIVING OF BOVINE ZYGOTES *IN VITRO*

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Summary. The receiving of bovine zygotes in vitro include maturation of oocytes, selection of spermatozoa's, fertilisation and culture of oocytes. Various authors recommended different media, but the results are very difficult to prognosticate. The experiments with zygotes are technical intricate and have high prices. We would like to suggest the indirect estimation of media according to the development of McCoy cells culture and to the time of the agglutination of spermatozoa's. McCoy cells were cultivated in the media of oocytes maturation, spermatozoa selection, oocytes fertilisation and culture. The survival time of spermatozoa's studied was determined of their agglutination time in the media of the selection of spermatozoa's and the fertilisation of oocytes. The obtained results were tested by the maturation of oocytes and the development of zygotes. We defined that was connection between the number of matured oocytes and the development of McCoy cells culture. The time of the agglutination of spermatozoa's and the development of McCoy cells culture let discuss about the suitability of the media of fertilisation of oocytes and selection of spermatozoa's. Development of zygotes (35,3-43,81%), that were received from these media, demonstrated that the media may be choose exact with these methods.

Keywords: the culture of McCoy cells, oocytes, zygotes, media.