

COMPARATIVE STUDY ABOUT CRYOPROTECTIVE EFFICIENCY NATIVE SYNTHETIC MEDIUMS DESTINED FOR FREEZE SPERM OF THE BULL.

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KEY WORDS

SPERM, CRIOCONSERVATION, SYNTHETIC MEDIUMS.

SUMMARY

The agrarian sector requires in use of a science and practice area criobiology sperms farm – animals and is particularly high effective methods crioconservation sperms of bulls.

Introduction

Acceleration scientifically - technical progress in Animal Husbandry cannot be realized without an intensification of reproduction of agricultural animals based on genetic selection. It is duly, is caused by use of scientific and practical achievements in area cryobiology sperms of agricultural animals and is particularly high effective methods crioconservations sexual cells of males.

Material and method

For research sperm of bulls of breed “*Balțat cu Negru tip moldovenesc*”. Sperm of animals gathered with an artificial vagina. For freeze sperm of the bull use native synthetic mediums *LFRMG* and *LSTGG*. Mobility, life expectancy and an absolute index survived have been appreciated with the accepted methods.

Results and discussion

Efficiency of freezing biological objects is defined by components of synthetic medium. Results are submitted in table 1.

Table 1
Efficiency native synthetic mediums destined for freeze sperm of the bull, n = 6

Synthetic mediums	Quality of the defrozed sperm		
	Mobility (point)	Duration at 37 °C (hour.)	I.A.S.
<i>LFRMG</i>	3,80 ± 0,30	8,30 ± 0,40	71,00 ± 8,90
<i>LSTGG</i>	3,30 ± 0,45	8,20 ± 0,40	43,30 ± 13,40

Conclusions

1. Comparative study about syntethic mediums *LFRMG* and *LSTGG* demonstrate: their efficiency difference not essential. Mobility of spermatozoids after defreeze oscillation between 3,30 ± 0,45 and 3,80 ± 0,30 points.
2. For experimentation in laboratory conditions and in manufacture it is possible to offer *LSTGG* environment for crioconservation sperms of bulls.

Bibliography

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