

STUDY OF THE THAWED SPERM SELECTION METHOD, USING SINGLE LAYER CENTRIFUGATION

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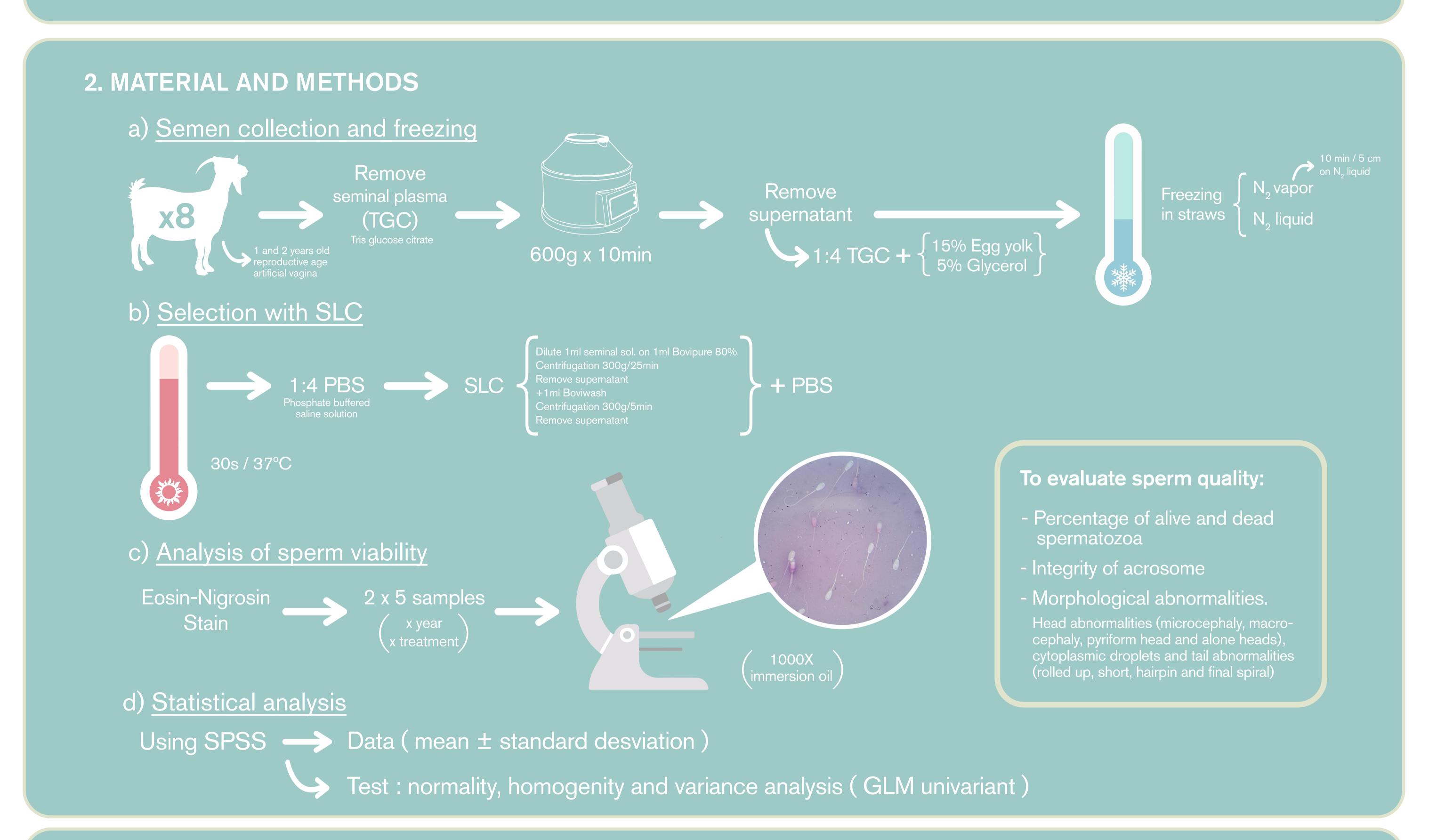


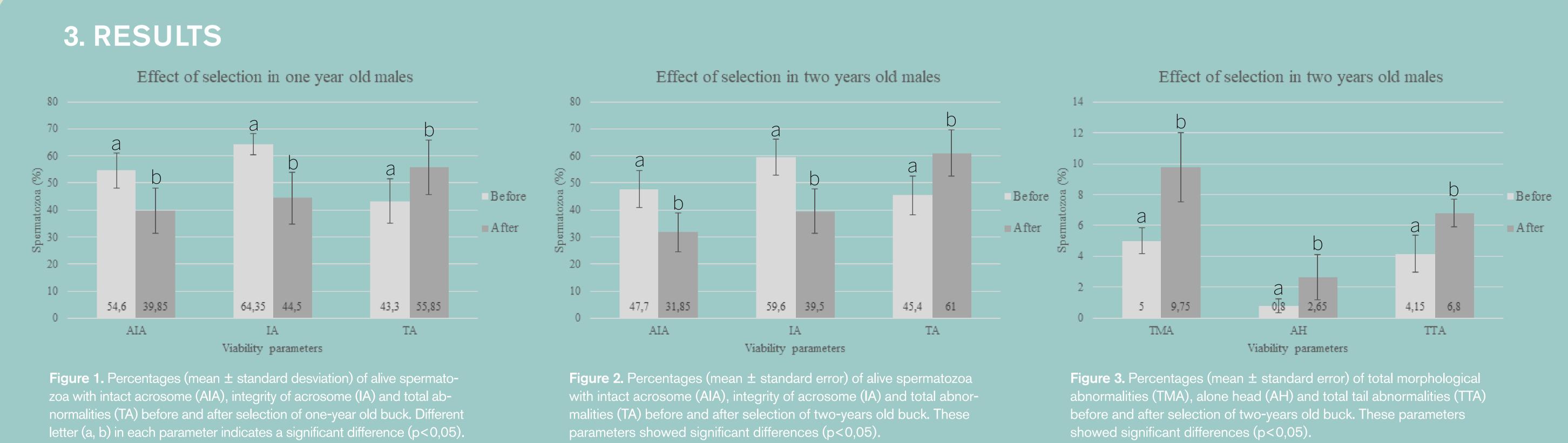
1. INTRODUCTION AND OBJECTIVE

Conservation of endangered goat breeds is of interest to maintain biodiversity.

Cryopreservation of sperm plays a very important role and its results are usually improved by sperm selection using different methods.

The aim of this study is to determine the efficacy of the selection method by single layer centrifugation (SLC) in thawed goat sperm.





Discussion

In literature, the single layer centrifugation, as a selection method, achieved a positive effect of the treatment.

Possible factors explaining the low efficacy obtained in the present study:

- Centrifugation \rightarrow Causes damages to the spermatozoa and plasmatic membranes
- Manual count \rightarrow Fewer number of observations and in a subjective way
- Colloid → Bovipure is designed to be used in bovine → Toxic?

4. CONCLUSION

Single layer centrifugation using Bovipure significantly decreased the quality of the thawed buck spermatozoa. In this study, this method of sperm selection does not work in Blanca de Rasquera breed. More studies have to be done to confirm it.