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Colloid centrifugation of fresh semen improves post-thaw quality of cryopreserved dromedary camel spermatozoa

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## ABSTRACT

Colloids have been successfully used in a number of species to improve sperm populations for IVF and for cryopreservation. The usefulness of Single Layer Centrifugation (SLC) for freezing dromedary camel spermatozoa in two different extenders was evaluated by examining the motility, viability, acrosome status, DNA integrity, and ability of cryopreserved sperm to penetrate oocytes *in vitro* in a heterologous IVF system. Two ejaculates from each of five males were divided into four aliquots: two were processed by SLC (selected) while two were centrifuged without colloid (control). Pellets were cryopreserved in Green Buffer or INRA-96® containing

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