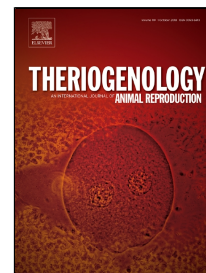


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Comparison of sperm adenosine triphosphate content, motility and fertility of immobilized and conventionally cryopreserved Norwegian Red bull semen

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Abstract

Estrus detection and timing of AI remains a challenge in cattle breeding. Prolonging spermatozoa lifespan after AI, making sperm cells available over an extended period, could make timing of AI relative to ovulation less crucial and improve fertility. Immobilization of sperm cells by the patented SpermVital technology in an alginate gel will provide a gradual release of spermatozoa after AI. The first aim of this study was to examine fertility, measured as non-return rate after 56 days (NR56), of SpermVital (SV) processed semen with reduced

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