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The Addition of L-Arginine in Capacitation Media to Motility, Viability, and Spermatozoa Capacity of Goats

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Abstract:The purpose of this study is improving the provision of animal origin food of in vitro fertilization technology. Specific targets to be achieved in this study is to increase the incidence of capacitation spermatozoan and success in in vitro fertilization process . This research utilized four treatment groups, namely controlled group (P0) is the addition of L-Arginine in spermatozoa (HEPES) capacitation medium by 0,002 M / ml ,group (PII) is the addition of L-Arginine in spermatozoa (HEPES) capacitation medium by 0,002 M / ml ,group (PII) is the addition of L-Arginine in spermatozoa (HEPES) capacitation medium by 0,002 M / ml ,group (PII) is the addition of L-Arginine in spermatozoa (HEPES) capacitation medium by 0,004 M / ml. andgroup (PIII) is the addition of L-Arginine in spermatozoa (HEPES) capacitation for a s

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