Abstract

The effect of two diluents; coconut water and Brackett-Oliphant Medium (MBO) at 1:1 (v/v) on sperm motility, viability and reproductive parameters in rabbits artificially inseminated was studied. The motility and viability were assessed before and after dilution, and at 30, 60, 90, 120, 180 and 240 min after refrigeration at 4 °C. The motility and viability showed no significant differences neither at the time of dilution nor during refrigerating period. The fertility observed during artificial insemination was 88 % for coconut water and 80 % for MBO. The number of born rabbits showed statistic differences (p<0.05), it was greater (8.89) when using coconut water than with the MBO (7.44).

Keywords

Kit, Motility, Viability.