

The protective effect of egg yolk from different avian species of Awassi Ram semen during diluted in Tris-egg yolk extender and stored at 5°C

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ABSTRACT

Egg yolk is one of the most widely used cry protective components for sperms preservation and a wide range of factors affect its action on viability and fertilizing ability. Five different species egg yolk, namely the pigeon T1, Turkey T2, Japanese quail T3, genie fowl T4 and domestic chicken T5 was added to Hydroxyl methyl amino methane (Tris) to determine the effect on sperm viability. Ejaculates were collected using the artificial vagina from six Awassi rams age about 2.5 years and 56 k.g body weights during the period from August to October 2012, In animal breed station, Ministry of agricultural. Spermatological characteristics assessed for the pooled semen. Semen samples were evaluated as split ejaculates in the trial and samples extended with a Tris-citric acid-glucose extender with average (1:10) Semen and Extender respectably, containing the different avian egg yolk (10%) stored at 5°C. The sperm viability was measured from (0,1,2,3,4,5,6) after dilution. Results showed the pigeon and chicken egg yolk to have the best cry protective effect in terms of the highest sperm motility in (1,2,3)days After dilution, compared to the other three avian egg yolks ($p < 0.05$) evaluated. There was no significant in sperm motility between treatment in (4) after stored, But the significant difference ($p < 0.05$) between treatment showed in 5,6 days after stored