

Study for cock semen traits after holding at various storage temperatures in broiler breeder flock.

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Abstract

This study was conducted to determine the effects of various diluents and the Storage conditions of the diluted semen on motility , percentage of abnormal sperms (AS) and percentage of dead sperms(DS) , the diluents used in the experiments were Lake diluent, modified Beltsvile Poultry Semen Extender (BPSE) ,and two experimental Diluents(A and B) ,the males used in the study were(15) cocks at 60 wks of age from Lohmann breeder flock which used as a parents for commercial broiler production ,so the First experiment designed to measure the semen traits within (15) min. of dilution without Storage and compared with undiluted semen , while the second experiment measured the Semen traits after held semen at 2 or 15 C for 1 , 2 ,or 5 hr .

The results indicated that :

- 1- There was a significant decline in motility with diluted semen in diluent(A), However, no differences in all semen traits between undiluted semen and other diluents Which used immediately without storage .
- 2- There were a significant high sperms motility and a significant low abnormal Sperms with semen diluted with Lake diluent.
- 3- storage diluted semen for (5) hrs. caused a significant decline in qualitative semen traits , while no differences occur in semen traits stored for 1 or 2 hrs.