ABSTRACT

Freezability Comparison of Simmental, Limousin and Fries Holstein Spermatozoa

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The purpose of this research was to study and to compare the freezability of Simmental, Limousin and Fries Holstein (FH) frozen semen from Lembang Artificial Insemination Centre, Bandung, West Java. In total 24 bulls were used in this study consist of 8 Simmental, 8 Limousin and 8 FH, ages 4 years old with a weight of 800-900 kg. Secondary data were taken from the period of November to December 2010. The data was collected from raw semen, before freezing, post thawing motility and longevity. The results showed that spermatozoa motility of raw and before freezing semen from Simmental significantly higher (P<0.05) than Limousin and FH bull. But there were no difference (P>0.05) between post thawing motility, longevity and value of recovery rate among three breeds.

Keywords : Semen quality, Freezability, Simmental, Limousin, Fries Holstein