

Abstract

The aim of research was compare of Purine derivatives and microbial protein synthesis in Sistani and Holestein breeds. The diets was allocated in a compeltly randomized design in maintenance level in 2 treatment each composed of 7 calf as replicate Preparation of animals was fed. The urine was collected with spot sampling method for 10 days 5 times every day to measuring of Purin derivatives. The blood was sampled for measuring of blood parameters (glucose, triglycerides and Nitrogen of urea of blood) in all of cows of two breeds from Jugular vein. Results showed the amount of microbial protein synthesis in Sistani calf was more significantly than Holestein calf ($P<0.01$). The amount of allantoin and uric acid in both breeds has not significant difference. So that the amount of glucose, nitrogen of urea blood and triglyceride both in the Sistani breed over the Holstein breed. that in both breeds glucose ($P<0.01$), nitrogen of urea blood ($P<0.01$) and triglycerids ($P<0.05$) significant difference a showed. In coeneral, result of this ekperiment showed feeding that in common at diets efficiency microdial protein synthesis was higher significantly in Sistani breed compared to Holestein.

Keywords: Purine derivatives, Microbial synthesis, Sistani, Holstein



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Comparison excretion purine derivatives and microbial protein Synthesis in Holstein and Sistani male Calves

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