

**Classification of Transferrin and its relation to some productive and physiological traits in native chicken.**

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**ABSTRACT**

This study has been conducted to identify Transferrin (Tf ) Types and their relation to some physiological traits of native chicken , These traits were include : weight gain (gr) , hemoglobin values(gr/100ml) , packed cell values% , and mortality % . Ninety chicks of native chicken raise on floor litter from one day age to 8 weeks . In the first week blood samples taken directly from heart and blood serum was isolated . Transferrin types were isolated by gel electrophoresis technique. Three types of Tf were identified A 39 , AB 23, B 28 The results indicated that , although the transferrin A is high in value in all traits but the differences among the three types were not significant and the means of these traits were weight gain. 69.40 g , 67.129 g , 66.986 g for type A, AB and B respectively. hemoglobin values ( 10.329, 9.691 , 9.343)gr/100ml for type A, AB and B respectively . packed cell values ( 29.987 , 28.901 and 28.892)% for type A, AB and B respectively . mortality ( 0.648 , 0.543 , and 0.446)% for type A , AB and B respectively .