

THE PREVALENCE OF THE DOG ERYTHROCYTE ANTIGEN 1 (DEA 1.1 AND 1.2) IN NIGERIAN INDIGENOUS DOGS

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ABSTRACT

The dog erythrocyte antigen (DEA) 1 is regarded as the most important canine blood group. This is because the group is highly antigenic and may cause a fatal transfusion reaction in a previously sensitized recipient. The prevalence of the DEA 1 blood group has been documented in several breeds of dog from different countries but there exists no information about Nigerian indigenous dogs. The blood of 178 Nigerian indigenous dogs were typed using the canine blood typing kit supplied by SHIGETA Animal Pharmaceuticals Inc., Japan. The result showed a prevalence of 39.89 % for the DEA 1 blood group (32.02 % for DEA 1.1 and 7.87 % for DEA 1.2) while 60.11 % was negative for the DEA 1 blood group. The prevalence of the DEA 1 group was found to be lower than that reported for several breeds of dog.

Keywords:

blood typing; D.E.A 1; Nigerian indigenous dogs; prevalence