

**ERYTHROCYTE'S FORM CHANGES IN DOG'S BLOOD SMEAR
BEFORE AND AFTER THE STORAGE USING
*CITRATE PHOSPHATE DEXTROSE***

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ABSTRACT

The aim of the study was to determine the effect of Citrate Phosphate Dextrose (CPD) anticoagulant for the preservation of dog's blood. Sample used in this study was blood of 1.5 to 2 years old 9 healthy male dogs with 15 to 20 kg body weight. About 20 ml blood sample in a tube was added with 2.8 ml CPD anticoagulant and mixed well. Blood sample was keep in refrigerator of 4°C for 21 days. Blood smear was made before and after storage to detect the abnormality of erythrocyte, such as crenation and rouleaux form. Pre and post test design was used in this study, and the data was analysed by paired comparison t-test. The result of the study showed no significancy difference ($p>0.05$) of erythrocyte abnormality before and after storage. This result indicates CPD anticoagulant used in dog's blood preservation doesn't impact to the abnormality of erythrocyte.

Key words : Citrate Phosphate Dextrose, Blood storage, Blood smear, Crenation