

The Differences Number of erythrocytes Using Anticoagulant K₂EDTA and K₃EDTA

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ABSTRACT

Examination the number of erythrocytes is one component of hematological examination that plays a role to diagnose anemia and polishitemia. One of the things to consider is the selection of the appropriate EDTA tube to collect the specimen. Anticoagulant who commonly used in laboratory clinic or hospital is K₂EDTA and K₃EDTA. The purpose of this study was to analyze the differences number of erythrocyte using anticoagulant K₂EDTA and K₃EDTA. This type of research is analytic research, samples taken by random sampling as much as 28 patients from the total population of patients Clinical Laboratory Pramita branch Cirebon with 2 treatment who difference. The results of examination of the amount of erythrocytes using K₂EDTA and K₃EDTA anticoagulants were 50.00% tended to be lower 46.42% higher and 3.57% obtained the same results. Statistical test paired T-test shows the value of significance of 0.412 with a significance level of 0.05 is $0.412 > 0.05$. So it can be concluded that there is no difference between the results of the number of erythrocytes using anticoagulant K₂EDTA and K₃EDTA.

Keywords : Number of erythrocytes, Anticoagulants K₂EDTA, Anticoagulants K₃EDTA.