

## Abstract

Though platelet enumeration by the Brecher and Cronkite method has been considered to be standard method, it still has problems in practice, e.g., the difficulty in differentiating between platelet and debris and some bizarre shape platelets. Various techniques have been developed to solve these problems but these techniques still faced with inherent problems. From this study it was found that by using 2% crystal violet 1 part mixed with 60 parts of 1% Ammonium oxalate, this solution can facilitate the platelet counting. Comparision among the results from the phase contrast microscope technique, automated cell dyn 900, and the platelet count by using the solution from this study, in 20 samples of each of low, moderate, and high platelet count, no significant statistical differences was found ( $P > 0.05$ ) The crystal violet 1% ammonium oxalate solution can be easily prepared, kept at least three months at room temperature, and can be applied in the hospital laboratory where phase contrast microscope cannot be available.