

Blood Group Detection by Using Fingerprint

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Abstract: Before performing blood transfusions in severe situations, blood group detection is necessary. It is done before a blood transfusion in an emergency or when checking a person's blood group for donation. Currently, lab personnel perform tests manually in the laboratory. This takes time and may result in human mistake when determining blood type. The goal of the study survey is to use image processing to reduce the amount of physical labor required to identify blood groups. The presence or absence of agglutination reaction of blood with antigen will be used to determine the blood group

Keywords: Blood transfusion, Blood group detection, Image processing, Agglutination reaction, Antigen, Bloodsample analysis