

Title (en)

METHOD FOR AUTOMATED ERYTHOCYTIC BLOOD GROUP DETERMINATION

Title (de)

VERFAHREN ZUR AUTOMATISIERTEN, ERYTHROZYTENSEITIGEN BLUTGRUPPEN-BESTIMMUNG

Title (fr)

PROCEDE DE DETERMINATION AUTOMATISEE DE GROUPE SANGUINS AU NIVEAU DES HEMATIES

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Application

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Abstract (en)

[origin: WO9951982A2] The invention relates to a method for erythrocytic blood group determination, whereby commercially available disposable microtiter plates with a pointed bottom are used to an advantageous effect. Albumin is added to the antiserum in such a way that the concentration of albumin amounts to 0.05-2.2 mg/ml, preferably 0.2 1.0 mg/ml. This process corresponds to a traditional sedimentation method without any centrifugal phase or sample shaking phase. Sample preparation can be easily automated, especially when known types of pipetting machines are used. Sedimentation images show a clear difference between positive and negative reactions. Evaluation, especially in the case of photometric optical evaluation of sedimentation images, is easy from a technical point of view and the inventive method can be automated in a reliable manner. As a result it is possible to obtain a high sample through-flow with very few errors for a low cost in terms of material outlay.

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