

Title (en)
IN-VITRO DETECTION OF REACTIONS IN BLOOD TO FOREIGN SUBSTANCES

Title (de)
IN VITRO NACHWEIS VON FREMDSTOFFREAKTIONEN IM BLUT

Title (fr)
DETECTION IN-VITRO DE REACTIONS A DES SUBSTANCES ETRANGERES DANS LE SANG

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Application
EP 97917620 A 19970325

Priority

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- US 1406096 P 19960325

Abstract (en)
[origin: WO9736169A1] The present invention is a method of detecting reaction in blood caused by the presence of a foreign substance in the blood, comprising the steps of: establishing a potential across a predetermined spatial volume; passing a first portion of the blood through the predetermined spatial volume; substantially continuously measuring the potential across the predetermined spatial volume over a first predetermined period of time; comparing the measured potential with a baseline; and calculating the total volume of solids in the first portion of the blood as a function of a total absolute deviation of the measured potential from the baseline. The same procedure is then followed with a second portion of the blood, after it has been exposed to the substance whose reaction is being determined. The two calculations are then compared, with a positive reaction being indicated when the two measured solid volumes are measurably different. The baselines are preferably dynamic baselines, and are determined with reference to the starting point of a sharp rise in the measured potential.

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Citation (search report)

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- [Y] US 5376878 A 19941227 - FISHER TIMOTHY C [US]
- [A] US 3733548 A 19730515 - COULTER W, et al
- See references of WO 9736169A1

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