

Title (en)

BIOANALYTICAL RECOGNITION SURFACE WITH OPTIMISED RECOGNITION ELEMENT DENSITY

Title (de)

BIONALYTISCHE ERKENNUNGSOBERFLÄCHE MIT OPTIMIERTER DICHT E DER ERKENNUNGSELEMENTE

Title (fr)

SURFACE D'IDENTIFICATION BIOANALYTIQUE A DENSITE D'ELEMENTS D'IDENTIFICATION OPTIMISEE

Publication

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Application

**EP 02797619 A 20020824**

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Abstract (en)

[origin: WO03021253A2] The invention relates to a recognition surface on a support with an optimal (with regard to the surface) binding capacity for recognition and binding of one or several analytes from samples brought into contact with said surface, characterized in that a) said recognition surface comprises a mixture of specific biological, biochemical or synthetic recognition elements for the recognition and binding of said analytes with components which are neutral to said analytes, in other words, do not bind said analytes and b) said specific recognition elements form less than a complete monolayer, relative to the whole surface area or any partial area thereof. The invention also relates to a method for the qualitative and/or quantitative determination of one or more analytes in one or more samples, characterized in that said samples and optionally further reagents are brought into contact with the above recognition surface and changes resulting from the binding of the analyte or analytical substances added for detection of the analytes are measured by optical or electronic signals.

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