

Title (en)

MICRO SYSTEM FOR BIOLOGICAL ANALYSES AND METHOD FOR MAKING SAME

Title (de)

MIKROSYSTEM FÜR BIOLOGISCHE ANALYSEN UND HERSTELLUNGSVERFAHREN

Title (fr)

MICROSYSTEMES POUR ANALYSES BIOLOGIQUES ET SON PROCEDE DE FABRICATION

Publication

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Application

**EP 97953963 A 19971229**

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Abstract (en)

[origin: FR2757949A1] The invention concerns a micro system for biological analysis for detecting analytes, for example antigens, in a sample. The micro system comprises: an isolating substrate (1) coated with a first conductor (3) forming a first electrode, and a second conductor (7) bearing a plurality of conductive elements (7) extending above the first conductor so as to form a second coplanar electrode arranged at a distance  $d$  from the first conductor; and means (13, 15) for polarising the first and second conductors. The electrode(s) are covered with a specific ligand. After a sample has been introduced on the substrate, the presence of analyte in the sample can be detected by measuring the impedance between electrodes 3 and 7, which will indicate the formation or not of an analyte-ligand layer on the electrode(s).

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