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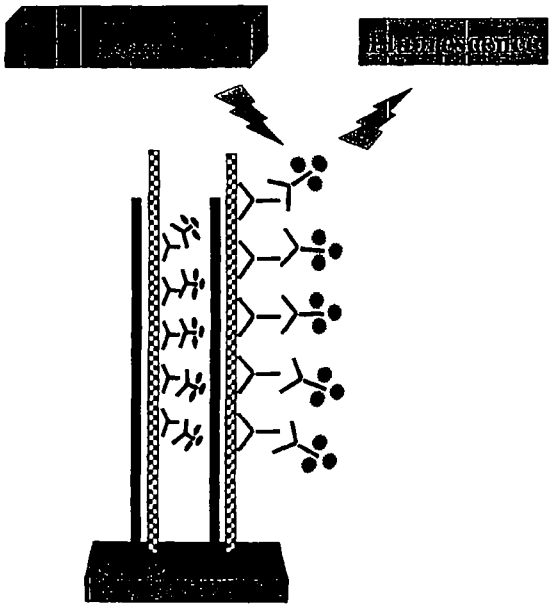
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(54) Title: IMMUNOLOGICAL DETECTION OF RNA:DNA HYBRIDS ON MICROARRAYS



(57) Abstract: The present invention provides a hybridization method and kit for the detection and measurement of biological molecules. A test sample containing the biological molecules of interest is hybridized with an unlabeled or optionally a detectably labeled complementary biomolecule to form a double-stranded hybrid immobilized to a solid phase. The immobilized hybrid may be detected with an entity which specifically recognizes an RNA:DNA hybrid, followed by analyses and quantification. Therefore, the present invention provides a method and kit to detect and measure biological molecules that is simple to use, highly specific, sensitive, and accurate for screening a plurality of biological molecules.

WO 01/36681 A3

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