

Title (en)
IMMUNOLIPOSOME ASSAY - METHODS AND PRODUCTS.

Title (de)
IMMUNOLIPOSOMES TESTVERFAHREN UND ERZEUGNISSE.

Title (fr)
ANALYSE IMMUNOLOGIQUE DE LIPOSOMES - PROCEDES ET PRODUITS.

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Application
EP 87901814 A 19870123

Priority
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• US 8700222 W 19870123

Abstract (en)
[origin: WO8704795A1] A new membrane lytic immunoassay. In one embodiment of this assay, namely a solution phase system, an antibody is first covalently coupled to a lipid which is to serve as an anchor for insertion into the liposome membrane. This antibody-anchor complex is used in conjunction with an otherwise non-bilayer forming lipid or mixture of lipids to form stable bilayer liposome vesicles which additionally contain a self-quenching fluorescent dye. When this antibody and dye containing liposome is brought into contact with a solution containing antigen molecules, rapid binding occurs between the antibody-anchor complex and the antigen, disrupting the liposome and releasing the dye. Release of the dye can be quantified by spectrophotometric or spectrofluorometric methods using standardized solutions.

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CPC (source: EP)
G01N 33/542 (2013.01); **G01N 33/586** (2013.01)

Citation (search report)
• [Y] US 4483929 A 19841120 - SZOKA FRANK C [US]
• [Y] US 4517303 A 19850514 - FREYTAG J WILLIAM [US], et al
• [X] THE JOURNAL OF IMMUNOLOGY, vol. 134, no. 6, June 1985, pages 4035-4040, The Official Journal of the American Association of Immunologists, San Diego, California; R.J.Y. HO et al.: "Interactions of antigen-sensitized liposomes with immobilized antibody"
• [X] CHEMICAL ABSTRACTS, vol. 103, no. 1, 8th July 1985, page 2469, abstract no. 2467b, Columbus, Ohio, US; R.M. EPAND: "High sensitivity differential scanning calorimetry of the bilayer to hexagonal phase transitions of diacylphosphatidylethanolamines", & CHEM. PHYS. LIPIDS 1985, 36(4), 387-93
• [X] JOURNAL OF IMMUNOLOGICAL METHODS, vol. 75, no. 1, 1984, pages 351-361, Elsevier, Amsterdam, NL; Y. ISHIMORI et al.: "Liposome immune lysis assay (LILA)"
• See references of WO 8704795A1

Designated contracting state (EPC)
BE DE FR GB IT SE

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