

Title (en)  
AN IMPROVED METHOD OF NON HOMOGENOUS ENZYME IMMUNOASSAY.

Title (de)  
VERBESSERTES ANALYSEVERFAHREN FÜR NICHTHOMOGENE ENZYME.

Title (fr)  
PROCEDE AMELIORE D'ANALYSE IMMUNOLOGIQUE D'ENZYMES NON HOMOGENES.

Publication  
**EP 0040224 A1 19811125 (EN)**

Application  
**EP 80902222 A 19801119**

Priority  
**AU PE137479 A 19791119**

Abstract (en)  
[origin: WO8101414A1] Method of non-homogenous enzyme immunoassay including the initial step of binding an analogue of ligand to an enzyme to form an enzyme-ligand analogue complex. This complex is then contacted with antibody for the ligand so as to bind the complex thereto. The enzyme analogue may then be displaced from the binding sites of the antibody by addition of the original ligand to which the antibody has been derived or of a different analogue having a higher specificity for the antibody than the enzyme labelled analogue. Subsequently the liberated enzyme analogue is separated from the enzyme analogue bound to the antibody and a quantity of liberated enzyme analogue is measured thereby determining the amount of ligand in a sample by comparison of the amount of liberated enzyme analogue with known concentrations of ligand.

Abstract (fr)  
Procede d'analyse immunologique d'enzymes non homogenes dont l'etape initiale consiste a lier un analogue de liant a une enzyme pour former un complexe enzyme-liant. Ce complexe est ensuite mis en contact d'un anticorps du liant de maniere a y lier le complexe. L'analogue d'enzyme peut alors etre deplace des sites de liaison de l'anticorps par adjonction du liant de depart pour lequel l'anticorps a ete derive ou d'un analogue different possedant une specificite plus elevee pour l'anticorps que l'analogue marque par l'enzyme. Ensuite, l'analogue d'enzyme libere est separe de l'analogue lie a l'anticorps et une certaine quantite d'analogue enzymatique liberee est mesuree determinant ainsi la quantite de liant dans un echantillon par comparaison de la quantite d'analogue d'enzyme liberee avec des concentrations connues de liant.

IPC 1-7  
**C12N 11/02**; **C12Q 1/34**; **C12Q 1/54**

IPC 8 full level  
**G01N 33/00** (2006.01); **G01N 33/536** (2006.01); **G01N 33/537** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP)  
**G01N 33/537** (2013.01)

Designated contracting state (EPC)  
DE FR GB NL SE

DOCDB simple family (publication)  
**WO 8101414 A1 19810528**; EP 0040224 A1 19811125; EP 0040224 A4 19820909; JP S56501583 A 19811029

DOCDB simple family (application)  
**AU 8000090 W 19801119**; EP 80902222 A 19801119; JP 50264580 A 19801119