

Title (en)
IMPROVED TURBIDIMETRIC RATE INHIBITION ASSAY FOR HAPTENS

Publication
EP 0324015 A4 19901107 (EN)

Application
EP 88906612 A 19880707

Priority
US 7642587 A 19870721

Abstract (en)
[origin: WO8900694A1] An improved turbidimetric rate inhibition assay for haptens is disclosed. This assay utilizes both monoclonal antibodies and polyantigenic conjugates in precise proportions in a hapten modulated competitive binding regime, wherein the relative concentration of hapten is inversely proportional to the amount of absorbance of a reaction mixture attributable to a precipitating immunocomplex. The dynamic analytical range and signal to noise ratio of this assay is unique for turbidimetric analysis of haptens. This assay is further unique in the specification for the reagents and in the stability of the reagent, even when fully diluted.

IPC 1-7
G01N 33/566

IPC 8 full level
G01N 33/53 (2006.01); **G01N 33/536** (2006.01); **G01N 33/557** (2006.01)

CPC (source: EP)
G01N 33/5306 (2013.01)

Citation (search report)

- [Y] DE 3301896 A1 19840726 - BEHRINGWERKE AG [DE]
- [A] DE 3533671 A1 19860327 - AMANO PHARMA CO LTD [JP]
- [Y] CLIN. CHEM., vol. 28, no. 4, 1982, pages 659-661; J.W. WU et al.: "Quantitation of haptens by homogeneous immunoprecipitation 1. Automated analysis of gentamicin in serum"
- [Y] CLIN. CHIM. ACTA, vol. 76, 1977, pages 377-388, Elsevier/North-Holland Biomedical Press; P.J.J. VAN MUNSTER et al.: "A turbidimetric immuno assay (TIA) with automated individual blank compensation"
- [Y] CLINICA CHIMICA ACTA, vol. 91, 1979, pages 59-65, Elsevier/North-Holland Biomedical Press; T. NISHIKAWA et al.: "Competitive nephelometric immunoassay of theophylline in plasma"
- See references of WO 8900694A1

Cited by
CN108709993A

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 8900694 A1 19890126; AU 2128388 A 19890213; EP 0324015 A1 19890719; EP 0324015 A4 19901107; JP H02500133 A 19900118

DOCDB simple family (application)
US 8802303 W 19880707; AU 2128388 A 19880707; EP 88906612 A 19880707; JP 50642588 A 19880707