Title (en)

METHOD AND TEST KIT FOR NEUTRALIZATION/IMMUNOINHIBITION ASSAY

Publication

EP 0382725 A4 19901227 (EN)

Application

EP 88904874 A 19880511

Priority

US 4871287 A 19870512

Abstract (en)

[origin: WO8808984A1] Method and test kit suitable for determination of the level of a diagnostically relevant isoenzyme in a biological fluid sample. This method and test kit are based upon the determination of residual enzyme activity of a biological fluid sample subsequent to inhibition of the diagnostically relevant isoenzyme within the sample. Such neutralization/immunoinhibition of the enzyme is accomplished with a relatively impure, low avidity anti-serum which is specific for the isoenzyme. This assay is unique in that the anti-serum which is employed in the neutralization/immunoinhibition of the isoenzyme is only effective in the neutralization/immunoinhibition of from at least about 50 % to up to about 85 % of the original enzymatic activity of the isoenzymes within the sample. This method provides the unique ability to determine the level of diagnostically relevant isoenzyme from rate data which is inclusive of high residual enzymatic activity of the diagnostically relevant isoenzymes and other interferents. This method is suitable for determination of CK-MB levels and, thus, provides a diagnostic tool for the exclusion of acute myocardial infarction as the cause of patient distress.

IPC 1-7

G01N 33/573

IPC 8 full level

G01N 33/542 (2006.01); **G01N 33/573** (2006.01)

CPC (source: EP)

G01N 33/542 (2013.01); **G01N 33/573** (2013.01)

Citation (search report)

- [X] CLINICAL CHEMISTRY, vol. 32, no. 6, 1988, page 1137, abstract no. 432, Winston-Salem, N.C., US; C.E. SEWELL et al.: "Automated determination of CK-MB isoenzyme"
- See references of WO 8808984A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

WO 8808984 A1 19881117; AU 1800088 A 19881206; CA 1320114 C 19930713; EP 0382725 A1 19900822; EP 0382725 A4 19901227; JP H01503565 A 19891130

DOCDB simple family (application)

US 8801553 W 19880511; AU 1800088 A 19880511; CA 566474 A 19880511; EP 88904874 A 19880511; JP 50458888 A 19880511