

Title (en)

TEST STRIP AND METHOD FOR DETERMINING LDL CHOLESTEROL CONCENTRATION FROM WHOLE BLOOD

Title (de)

TESTSTREIFEN UND VERFAHREN ZUR BESTIMMUNG DER LDL-CHOLESTERINKONZENTRATION AUS VOLLBLUT

Title (fr)

BANDE D'ESSAI ET PROCEDE PERMETTANT DE DETERMINER LA CONCENTRATION DU CHOLESTEROL LDL A PARTIR D'UN ECHANTILLON DE SANG TOTAL

Publication

EP 1540353 A2 20050615 (EN)

Application

EP 03754634 A 20030916

Priority

- US 0329102 W 20030916
- US 41120902 P 20020916

Abstract (en)

[origin: WO2004025265A2] A dry phase test strip (20) and method are provided for determining the concentration of LDL in whole blood or plasma. The inventive test strip (20) includes one stack (92) or panel that measures concentration of total cholesterol and another stack (94) or panel that measures concentration of the sum total of HDL, VLDL and chylomicrons ("non-LDLs"). The difference between the values just noted is equal to the concentration of LDL cholesterol. Dry phase test strips (20) of the present invention function at room temperature and all test results are produced from pseudo-endpoint reflectance measurements such that the test method need not be timed. Also disclosed is the capability for an improved lipid panel that provides concentration in a blood sample of HDL, total cholesterol and LDL cholesterol without relying upon the Friedewald equation.

IPC 1-7

G01N 33/92

IPC 8 full level

G01N 33/52 (2006.01); **G01N 33/92** (2006.01)

CPC (source: EP)

G01N 33/526 (2013.01); **G01N 33/92** (2013.01); **G01N 2800/044** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004025265 A2 20040325; **WO 2004025265 A3 20040701**; AU 2003272453 A1 20040430; CA 2499058 A1 20040325; EP 1540353 A2 20050615; EP 1540353 A4 20070124; MX PA05002955 A 20051018; ZA 200502214 B 20060531

DOCDB simple family (application)

US 0329102 W 20030916; AU 2003272453 A 20030916; CA 2499058 A 20030916; EP 03754634 A 20030916; MX PA05002955 A 20030916; ZA 200502214 A 20050316