

Title (en)
PLATELET FUNCTION ASSAY AND REAGENT THEREFOR

Title (de)
BLUTBLÄTTCHENFUNKTIONSSASSAY UND DAFÜR VERWENDETE REAGENTIEN(20.11.)

Title (fr)
DOSAGE DE FONCTION PLAQUETTAIRE ET REACTIF CONCU A CET EFFET

Publication
EP 1280931 A4 20050209 (EN)

Application
EP 01934872 A 20010509

Priority
• US 0111760 W 20010509
• US 20263800 P 20000509

Abstract (en)
[origin: WO0186248A2] A platelet function assay reagent is provided for performing a platelet function assay, wherein the reagent contains a mixture of magnetic and non-magnetic particles, wherein the magnetic particles have bound to an outer surface thereof an amount of a first ligand having an affinity for direct interaction with GP-Ib receptors on blood platelets and wherein the non-magnetic particles have bound to an outer surface thereof an amount of a second ligand having an affinity for direct interaction with GP-Ib receptors on blood platelets, such that interaction of either of the first or second ligands with the GP-Ib platelet receptor will activate the blood platelets toward aggregation, wherein the first ligand and the second ligand can be the same or different, and the assay using such reagent, for providing a fast, reliable point-of-care assessment of platelet function.

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C12Q 1/56; **G01N 33/80**; **G01N 33/86**

IPC 8 full level
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CPC (source: EP KR)
G01N 33/543 (2013.01 - KR); **G01N 33/54333** (2013.01 - EP); **G01N 33/86** (2013.01 - EP)

Citation (search report)
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• [A] US 5922551 A 19990713 - DURBIN DENNIS A [US], et al
• [DA] US 5952184 A 19990914 - SHAW ANDREW R E [CA], et al
• [DA] US 5110727 A 19920505 - OBERHARDT BRUCE J [US]
• [A] YOKO MINAMOTO ET AL: "DETECTION OF PLATELET ADHESION/AGGREGATION TO IMMOBILIZED LIGANDS ON MICROBEADS BY AN AGGREGOMETER", THROMBOSIS AND HAEMOSTASIS, STUTTGART, DE, vol. 76, no. 6, 1996, pages 1072 - 1079, XP002921232, ISSN: 0340-6245
• [A] OBERHARDT B J ET AL: "DRY REAGENT TECHNOLOGY FOR RAPID, CONVENIENT MEASUREMENTS OF BLOOD COAGULATION AND FIBRINOLYSIS", CLINICAL CHEMISTRY, AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY. WINSTON, US, vol. 37, no. 4, 1 April 1991 (1991-04-01), pages 520 - 526, XP000371778, ISSN: 0009-9147
• See references of WO 0186248A2

Designated contracting state (EPC)
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