

Title (en)
CELL SEPARATION MATRIX

Title (de)
ZELLTRENNUNGSMATRIX

Title (fr)
MATRICE DE SEPARATION DE CELLULE

Publication
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Application
EP 02731366 A 20020411

Priority
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Abstract (en)
[origin: CA2463467A1] A novel modified matrix system, mimicking a metastatic environment, that can be used to capture and detect viable cancer and normal cells from tissue fluid samples derived from cancer subjects and which provides effective cell separation for diagnostic and therapeutic applications in treating patients with metastatic diseases.

IPC 1-7
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Citation (search report)
• [XY] US 4845197 A 19890704 - PETERSEN FRANK P [US], et al
• [XY] WO 9409368 A1 19940428 - COULTER CORP [US]
• [XY] US 5773224 A 19980630 - GRANDICS PETER [US], et al
• [X] US 5897955 A 19990427 - DRUMHELLER PAUL D [US]
• [Y] WO 8502260 A1 19850523 - QUIDEL [US]
• [A] EP 0542655 A1 19930519 - BOY JACQUES INST [FR]
• [A] WO 9941613 A1 19990819 - IMMUNIVEST CORP [US], et al
• [A] WO 0047998 A1 20000817 - CELL WORKS INC [US]
• [A] DE 19904267 A1 20000810 - DAHM MICHAEL W [DE]
• [A] EP 0015473 A1 19800917 - HOFFMANN LA ROCHE [CH]
• [XY] SIEBEN S ET AL: "Comparison of different particles and methods for magnetic isolation of circulating tumor cells", JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 225, no. 1-2, 2001, pages 175 - 179, XP004234942, ISSN: 0304-8853
• [XY] WERTHER K ET AL: "The use of the CELLection Kit in the isolation of carcinoma cells from mononuclear cell suspensions", JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 238, no. 1-2, April 2000 (2000-04-01), pages 133 - 141, XP004195469, ISSN: 0022-1759
• [Y] GOODWIN A E ET AL: "A new adhesion assay using buoyancy to remove non-adherent cells", JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 187, no. 2, 1995, pages 213 - 219, XP004020951, ISSN: 0022-1759
• See references of WO 03035888A1

Cited by
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